Sales & Operation Planning 2020

Dolly X

Month	Sales Forecasted	Regular Production	Overtime Production	Inventory
				400
gennaio	2918	2900	0	382
febbraio	2918	2800	0	264
marzo	2768	2700	0	196
aprile	2918	3000	0	278
maggio	2618	2700	0	360
giugno	2578	2600	0	382
luglio	2418	2800	0	764
agosto	2518	1800	0	46
settembre	2818	3000	0	228
ottobre	2718	3000	0	510
novembre	2818	3000	0	692
dicembre	2918	2300	0	74
	32926	32600		

ET(t) = E(t-1) + RP(t) + OP(t) - S(t)

Molly X

Month	Sales Forecasted	Regular Production	Overtime Production	Inventory
				350
January	2349	2200	0	201
February	2249	2200	0	152
March	2099	2200	0	253
April	2249	2500	0	504
May	2049	2100	0	555
June	2049	2100	0	606
July	1899	2000	0	707
August	1949	1500	0	258
September	2199	2500	0	559
October	2149	2300	0	710
November	2249	2300	0	761
December	2399	1700	0	62
	25888	25600		

Dolly S

Month	Sales Forecasted	Regular Production	Overtime Production	Inventory
				200
January	1200	1200	0	200
February	1140	1200	0	260
March	1200	1200	0	260
April	1350	1500	0	410
May	1140	1200	0	470
June	1124	1200	0	546
July	961	1000	0	585
August	1010	750	0	325
September	1220	1100	0	205
October	1100	1500	0	605
November	1180	1100	0	525
December	1307	800	0	18
	13932	13750		

Molly S

Month	Sales Forecasted	Regular Production	Overtime Production	Inventory
				150
January	982	1000	0	168
February	912	1000	0	256
March	912	1000	0	344
April	1052	1200	0	492
May	902	900	0	490
June	902	900	0	488
July	812	900	0	576
August	885	600	0	291

Month	Sales Forecasted	Regular Production	Overtime Production	Inventory
				150
September	1002	900	0	189
October	892	1200	0	497
November	992	1000	0	505
December	1102	650	0	53
	11347	11250		

Master Production Scheduling: Dolly X

Inventory

Week 0
400

I period

Month	January					February				March				April				
Week	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Forecasted Demand	575	580	609	580	574	675	780	759	704	700	700	690	678	625	600	575	550	568
Projected Ending Inventory	325	345	336	356	382	332	227	218	264	264	264	224	196	171	171	196	246	278
Master Production Schedule	500	600	600	600	600	625	675	750	750	700	700	650	650	600	600	600	600	600

II Period

Month	May				June				July					August			
Week	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
Forecasted Demand	600	650	668	700	690	628	658	602	550	500	450	459	459	550	610	679	679
Projected Ending Inventory	328	328	360	360	320	342	334	382	432	532	682	723	764	814	204	125	46
Master Production Schedule	650	650	700	700	650	650	650	650	600	600	600	500	500	600	0	600	600

III Period

Month	September				October					November				December			
Week	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
Forecasted Demand	700	720	698	700	620	570	528	500	500	575	704	759	780	704	780	759	675
Projected Ending Inventory	96	126	178	228	208	238	310	410	510	685	731	722	692	613	463	4	74
Master Production Schedule	750	750	750	750	600	600	600	600	600	750	750	750	750	625	630	300	745

Master Production Scheduling: Molly X

Inventory

Week 0
350

I period

Month	January					February				March				April				
Week	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Forecasted Demand	475	472	448	480	474	520	560	569	600	550	520	520	509	500	400	400	449	500
Projected Ending Inventory	275	203	255	275	201	181	221	252	152	102	182	262	253	253	353	453	504	504
Master Production Schedule	400	400	500	500	400	500	600	600	500	500	600	600	500	500	500	500	500	500

II Period

Month	May				June				July					August			
Week	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
Forecasted Demand	509	520	520	500	509	520	520	500	400	399	400	380	320	449	500	500	500
Projected Ending Inventory	495	475	555	555	546	526	606	606	606	607	607	627	707	758	258	258	258
Master Production Schedule	500	500	600	500	500	500	600	500	400	400	400	400	400	500	0	500	500

III Period

Month	September				October					November				December			
Week	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
Forecasted Demand	500	600	599	500	400	400	500	449	400	600	549	600	500	600	599	600	600
Projected Ending Inventory	383	408	434	559	609	659	609	610	710	710	761	661	761	761	462	12	12
Master Production Schedule	625	625	625	625	450	450	450	450	500	600	600	500	600	600	300	150	600

Master Production Scheduling: Dolly S

Inventory

Week 0
200

I period

Month	January					February				March				April				
Week	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Forecasted Demand	200	225	225	250	300	300	300	300	240	300	300	300	300	300	250	250	250	300
Projected Ending Inventory	200	225	250	250	200	200	200	200	260	260	260	260	260	260	310	360	410	410
Master Production Schedule	200	250	250	250	250	300	300	300	300	300	300	300	300	300	300	300	300	300

II Period

Month	May				June				July					August			
Week	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
Forecasted Demand	290	280	290	280	290	284	270	280	150	200	211	250	150	250	260	250	250
Projected Ending Inventory	370	340	400	470	530	596	576	546	621	646	610	535	585	585	325	325	325
Master Production Schedule	250	250	350	350	350	350	250	250	225	225	175	175	200	250	0	250	250

III Period

Month	September				October					November				December			
Week	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
Forecasted Demand	300	300	320	300	200	220	220	200	260	300	300	300	280	300	300	350	357
Projected Ending Inventory	275	275	255	205	305	385	465	565	605	605	555	505	525	525	375	75	18
Master Production Schedule	250	300	300	250	300	300	300	300	300	300	250	250	300	300	150	50	300

Master Production Scheduling: Molly S

Inventory

Week 0
150

I period

Month	January					February				March				April				
Week	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Forecasted Demand	182	200	200	200	200	240	240	220	212	240	240	220	212	200	200	220	220	212
Projected Ending Inventory	168	168	168	168	168	178	188	218	256	266	276	306	344	394	444	474	504	492
Master Production Schedule	200	200	200	200	200	250	250	250	250	250	250	250	250	250	250	250	250	200

II Period

Month	May				June				July					August			
Week	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
Forecasted Demand	200	250	200	252	252	250	200	200	200	162	150	150	150	200	230	230	225
Projected Ending Inventory	492	442	542	490	538	488	488	488	488	526	576	576	576	576	346	316	291
Master Production Schedule	200	200	300	200	300	200	200	200	200	200	200	150	150	200	0	200	200

III Period

Month	September				October					November				December			
Week	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
Forecasted Demand	250	250	252	250	190	200	200	150	152	300	212	200	280	300	300	300	202
Projected Ending Inventory	341	291	239	189	249	249	299	399	497	447	485	535	505	455	255	5	53
Master Production Schedule	300	200	200	200	250	200	250	250	250	250	250	250	250	250	100	50	250

Master Production Scheduling: Dolly X

I period

Month	January				February				March				April			
Week	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
MPS	500	600	600	600	600	625	675	750	750	700	700	650	650	600	600	600	600	600

II Period

Month	May				June				July				August			
Week	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
MPS	650	650	700	700	650	650	650	650	600	600	600	500	500	600	0	600	600

III Period

Month	September				October					November				December			
Week	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
MPS	750	750	750	750	600	600	600	600	600	750	750	750	750	625	630	300	745

Information

Security Stock	100

January

Components	Cost per Component	Component per product	Minimum Order	Week 1				Week 2				Week 3				Week 4				Week 5			
				MPS Week 1		MPS Next Week		MPS Week 2		MPS Next Week		MPS Week 3		MPS Next Week		MPS Week 4		MPS Next Week		MPS Week 5		MPS Next Week	
				500		600		600		600		600		600		600		600		600		625	
				Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week
Engine	18,00 €	1	100	500	0	600	700	700	100	600	600	700	100	600	600	700	100	600	600	700	100	625	700
Wheels	1,00 €	4	200	2000	0	2400	2600	2600	200	2400	2400	2600	200	2400	2400	2600	200	2400	2400	2600	200	2500	2400
Frame	10,00 €	1	300	500	0	600	900	900	300	600	600	900	300	600	600	900	300	600	600	900	300	625	600
Sensor	15,00 €	8	400	4000	0	4800	5200	5200	400	4800	4800	5200	400	4800	4800	5200	400	4800	4800	5200	400	5000	4800
Body	15,00 €	1	200	500	0	600	800	800	200	600	600	800	200	600	600	800	200	600	600	800	200	625	600
Battery	10,00 €	1	100	500	0	600	700	700	100	600	600	700	100	600	600	700	100	600	600	700	100	625	700
Power Supply	15,00 €	1	100	500	0	600	700	700	100	600	600	700	100	600	600	700	100	600	600	700	100	625	700
Other mechanical components	20,00 €	1	2000	500	0	600	2000	2000	1400	600	100	1500	900	600	100	1000	400	600	2000	2400	1800	625	100
Other Electronic	10,00 €	1	100	500	0	600	700	700	100	600	600	700	100	600	600	700	100	600	600	700	100	625	700
Vacuum Cleaner Engine	4,00 €	1	100	500	0	600	700	700	100	600	600	700	100	600	600	700	100	600	600	700	100	625	700
Dirt Bin	7,00 €	1	100	500	0	600	700	700	100	600	600	700	100	600	600	700	100	600	600	700	100	625	700
Side Brushes	2,50 €	2	1000	1000	0	1200	2000	2000	800	1200	1000	1800	600	1200	1000	1600	400	1200	1000	1400	200	1250	2000
Central Brush	5,00 €	1	1000	500	0	600	1000	1000	400	600	1000	1400	800	600	100	900	300	600	1000	1300	700	625	1000
Average Stock & Order Amount				**0**		**€ 196.400,00**		**331**		**€ 137.300,00**		**308**		**€ 132.800,00**		**215**		**€ 175.300,00**		**338**		**€ 146.200,00**	

February

Components	Cost per Component	Component per product	Minimum Order	Week 6				Week 7				Week 8				Week 9			
				MPS Week 6		MPS Next Week		MPS Week 7		MPS Next Week		MPS Week 8		MPS Next Week		MPS Week 9		MPS Next Week	
				625		675		675		750		750		750		750		700	
				Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week
Engine	18,00 €	1	100	800	175	675	600	775	100	750	800	900	150	750	700	850	100	700	700
Wheels	1,00 €	4	200	2600	100	2700	2800	2900	200	3000	3000	3200	200	3000	3000	3200	200	2800	2800
Frame	10,00 €	1	300	900	275	675	600	875	200	750	900	1100	350	750	600	950	200	700	600
Sensor	15,00 €	8	400	5200	200	5400	5600	5800	400	6000	6000	6400	400	6000	6000	6400	400	5600	5600
Body	15,00 €	1	200	800	175	675	600	775	100	750	800	900	150	750	800	950	200	700	600
Battery	10,00 €	1	100	800	175	675	600	775	100	750	800	900	150	750	700	850	100	700	700
Power Supply	15,00 €	1	100	800	175	675	600	775	100	750	800	900	150	750	700	850	100	700	700
Other mechanical components	20,00 €	1	2000	1900	1275	675	100	1375	700	750	2000	2700	1950	750	100	2050	1300	700	100
Other Electronic components	10,00 €	1	100	800	175	675	600	775	100	750	800	900	150	750	700	850	100	700	700
Vacuum Cleaner Engine	4,00 €	1	100	800	175	675	600	775	100	750	800	900	150	750	700	850	100	700	700
Dirt Bin	7,00 €	1	100	800	175	675	600	775	100	750	800	900	150	750	700	850	100	700	700
Side Brushes	2,50 €	2	1000	2200	950	1350	1000	1950	600	1500	1000	1600	100	1500	2000	2100	600	1400	1000
Central Brush	5,00 €	1	1000	1700	1075	675	100	1175	500	750	1000	1500	750	750	1000	1750	1000	700	100
Average Stock & Order Amount				**392**		**€ 145.200,00**		**254**		**€ 212.700,00**		**369**		**€ 167.800,00**		**346**		**€ 151.600,00**	

March

Components	Cost per Component	Component per product	Minimum Order	Week 10				Week 11				Week 12				Week 13			
				MPS Week 10		MPS Next Week		MPS Week 11		MPS Next Week		MPS Week 12		MPS Next Week		MPS Week 13		MPS Next Week	
				700		750		750		750		750		700		700		600	
				Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week
Engine	18,00 €	1	100	800	100	750	800	900	150	750	700	850	100	700	700	800	100	600	600
Wheels	1,00 €	4	200	3000	200	3000	3000	3200	200	3000	3000	3200	200	2800	2800	3000	200	2400	2400
Frame	10,00 €	1	300	800	100	750	900	1000	250	750	600	850	100	700	900	1000	300	600	600
Sensor	15,00 €	8	400	6000	400	6000	6000	6400	400	6000	6000	6400	400	5600	5600	6000	400	4800	4800
Body	15,00 €	1	200	800	100	750	800	900	150	750	800	950	200	700	600	800	100	600	600
Battery	10,00 €	1	100	800	100	750	800	900	150	750	700	850	100	700	700	800	100	600	600
Power Supply	15,00 €	1	100	800	100	750	800	900	150	750	700	850	100	700	700	800	100	600	600
Other mechanical components	20,00 €	1	2000	1400	700	750	2000	2700	1950	750	100	2050	1300	700	100	1400	700	600	0
Other Electronic components	10,00 €	1	100	800	100	750	800	900	150	750	700	850	100	700	700	800	100	600	600
Vacuum Cleaner Engine	4,00 €	1	100	800	100	750	800	900	150	750	700	850	100	700	700	800	100	600	600
Dirt Bin	7,00 €	1	100	800	100	750	800	900	150	750	700	850	100	700	700	800	100	600	600
Side Brushes	2,50 €	2	1000	1600	200	1500	2000	2200	700	1500	1000	1700	200	1400	2000	2200	800	1200	1000
Central Brush	5,00 €	1	1000	1100	400	750	1000	1400	650	750	1000	1650	900	700	100	1000	300	600	1000
Average Stock & Order Amount				**208**		**€ 215.200,00**		**400**		**€ 165.300,00**		**300**		**€ 157.100,00**		**262**		**€ 135.300,00**	

April

Components	Cost per Component	Component per product	Minimum Order	Week 14				Week 15				Week 16				Week 17				Week 18			
				MPS Week 14		MPS Next Week		MPS Week 15		MPS Next Week		MPS Week 16		MPS Next Week		MPS Week 17		MPS Next Week		MPS Week 18		MPS Next Week	
				600		600		600		600		600		600		600		600		600		650	
				Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week
Engine	18,00 €	1	100	700	100	600	600	700	100	600	600	700	100	600	600	700	100	600	600	700	100	650	700
Wheels	1,00 €	4	200	2600	200	2400	2400	2600	200	2400	2400	2600	200	2400	2400	2600	200	2400	2400	2600	200	2600	2600
Frame	10,00 €	1	300	900	300	600	600	900	300	600	600	900	300	600	600	900	300	600	600	900	300	650	600
Sensor	15,00 €	8	400	5200	400	4800	4800	5200	400	4800	4800	5200	400	4800	4800	5200	400	4800	4800	5200	400	5200	5200
Body	15,00 €	1	200	700	100	600	600	700	100	600	600	700	100	600	600	700	100	600	600	700	100	650	800
Battery	10,00 €	1	100	700	100	600	600	700	100	600	600	700	100	600	600	700	100	600	600	700	100	650	700
Power Supply	15,00 €	1	100	700	100	600	600	700	100	600	600	700	100	600	600	700	100	600	600	700	100	650	700

Components	Cost per Component	Component per product	Minimum Order	Week 14				Week 15				Week 16				Week 17				Week 18			
				MPS Week 14		MPS Next Week		MPS Week 15		MPS Next Week		MPS Week 16		MPS Next Week		MPS Week 17		MPS Next Week		MPS Week 18		MPS Next Week	
				600		600		600		600		600		600		600		600		600		650	
				Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week
Other mechanical components	20,00 €	1	2000	700	100	600	2000	2100	1500	600	100	1600	1000	600	100	1100	500	600	2000	2500	1900	650	100
Other Electronic components	10,00 €	1	100	700	100	600	600	700	100	600	600	700	100	600	600	700	100	600	600	700	100	650	700
Vacuum Cleaner Engine	4,00 €	1	100	700	100	600	600	700	100	600	600	700	100	600	600	700	100	600	600	700	100	650	700
Dirt Bin	7,00 €	1	100	700	100	600	600	700	100	600	600	700	100	600	600	700	100	600	600	700	100	650	700
Side Brushes	2,50 €	2	1000	1800	600	1200	1000	1600	400	1200	1000	1400	200	1200	2000	2200	1000	1200	1000	2000	800	1300	1000
Central Brush	5,00 €	1	1000	1300	700	600	0	700	100	600	1000	1100	500	600	1000	1500	900	600	100	1000	400	650	1000
Average Stock & Order Amount				**231**		**€ 170.300,00**		**277**		**€ 137.300,00**		**254**		**€ 139.800,00**		**308**		**€ 170.800,00**		**362**		**€ 152.900,00**	

May

Components	Cost per Component	Component per product	Minimum Order	Week 19				Week 20				Week 21				Week 22			
				MPS Week 19		MPS Next Week		MPS Week 20		MPS Next Week		MPS Week 21		MPS Next Week		MPS Week 22		MPS Next Week	
				650		650		650		700		700		700		700		650	
				Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week
Engine	18,00 €	1	100	800	150	650	600	750	100	700	700	800	100	700	700	800	100	650	700
Wheels	1,00 €	4	200	2800	200	2600	2600	2800	200	2800	2800	3000	200	2800	2800	3000	200	2600	2600
Frame	10,00 €	1	300	900	250	650	600	850	200	700	600	800	100	700	900	1000	300	650	600
Sensor	15,00 €	8	400	5600	400	5200	5200	5600	400	5600	5600	6000	400	5600	5600	6000	400	5200	5200
Body	15,00 €	1	200	900	250	650	600	850	200	700	600	800	100	700	800	900	200	650	600
Battery	10,00 €	1	100	800	150	650	600	750	100	700	700	800	100	700	700	800	100	650	700
Power Supply	15,00 €	1	100	800	150	650	600	750	100	700	700	800	100	700	700	800	100	650	700
Other mechanical components	20,00 €	1	2000	2000	1350	650	100	1450	800	700	0	800	100	700	2000	2100	1400	650	100
Other Electronic components	10,00 €	1	100	800	150	650	600	750	100	700	700	800	100	700	700	800	100	650	700
Vacuum Cleaner Engine	4,00 €	1	100	800	150	650	600	750	100	700	700	800	100	700	700	800	100	650	700
Dirt Bin	7,00 €	1	100	800	150	650	600	750	100	700	700	800	100	700	700	800	100	650	700
Side Brushes	2,50 €	2	1000	1800	500	1300	1000	1500	200	1400	2000	2200	800	1400	1000	1800	400	1300	1000
Central Brush	5,00 €	1	1000	1400	750	650	0	750	100	700	1000	1100	400	700	1000	1400	700	650	1000
Average Stock & Order Amount				**354**		**€ 138.500,00**		**208**		**€ 156.600,00**		**208**		**€ 200.100,00**		**323**		**€ 149.900,00**	

June

Components	Cost per Component	Component per product	Minimum Order	Week 23				Week 24				Week 25				Week 26			
				MPS Week 23		MPS Next Week		MPS Week 24		MPS Next Week		MPS Week 25		MPS Next Week		MPS Week 26		MPS Next Week	
				650		650		650		650		650		650		650		600	
				Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week
Engine	18,00 €	1	100	800	150	650	600	750	100	650	700	800	150	650	600	750	100	600	600
Wheels	1,00 €	4	200	2800	200	2600	2600	2800	200	2600	2600	2800	200	2600	2600	2800	200	2400	2400
Frame	10,00 €	1	300	900	250	650	600	850	200	650	600	800	150	650	600	750	100	600	600
Sensor	15,00 €	8	400	5600	400	5200	5200	5600	400	5200	5200	5600	400	5200	5200	5600	400	4800	4800
Body	15,00 €	1	200	800	150	650	600	750	100	650	800	900	250	650	600	850	200	600	600
Battery	10,00 €	1	100	800	150	650	600	750	100	650	700	800	150	650	600	750	100	600	600
Power Supply	15,00 €	1	100	800	150	650	600	750	100	650	700	800	150	650	600	750	100	600	600
Other mechanical components	20,00 €	1	2000	1500	850	650	100	950	300	650	2000	2300	1650	650	100	1750	1100	600	100
Other Electronic components	10,00 €	1	100	800	150	650	600	750	100	650	700	800	150	650	600	750	100	600	600
Vacuum Cleaner Engine	4,00 €	1	100	800	150	650	600	750	100	650	700	800	150	650	600	750	100	600	600
Dirt Bin	7,00 €	1	100	800	150	650	600	750	100	650	700	800	150	650	600	750	100	600	600
Side Brushes	2,50 €	2	1000	1400	100	1300	2000	2100	800	1300	1000	1800	500	1300	1000	1500	200	1200	2000
Central Brush	5,00 €	1	1000	1700	1050	650	100	1150	500	650	1000	1500	850	650	100	950	300	600	1000
Average Stock & Order Amount				**300**		**€ 141.500,00**		**238**		**€ 190.900,00**		**377**		**€ 139.000,00**		**238**		**€ 139.800,00**	

July

Components	Cost per Component	Component per product	Minimum Order	Week 27				Week 28				Week 29				Week 30				Week 31			
				MPS Week 27		MPS Next Week		MPS Week 28		MPS Next Week		MPS Week 29		MPS Next Week		MPS Week 30		MPS Next Week		MPS Week 31		MPS Next Week	
				600		600		600		600		600		500		500		500		500		600	
				Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week
Engine	18,00 €	1	100	700	100	600	600	700	100	600	600	700	100	500	500	600	100	500	500	600	100	600	600
Wheels	1,00 €	4	200	2600	200	2400	2400	2600	200	2400	2400	2600	200	2000	2000	2200	200	2000	2000	2200	200	2400	2400
Frame	10,00 €	1	300	700	100	600	600	700	100	600	600	700	100	500	600	700	200	500	600	800	300	600	600
Sensor	15,00 €	8	400	5200	400	4800	4800	5200	400	4800	4800	5200	400	4000	4000	4400	400	4000	4000	4400	400	4800	4800
Body	15,00 €	1	200	800	200	600	600	800	200	600	600	800	200	500	400	600	100	500	600	700	200	600	600
Battery	10,00 €	1	100	700	100	600	600	700	100	600	600	700	100	500	500	600	100	500	500	600	100	600	600
Power Supply	15,00 €	1	100	700	100	600	600	700	100	600	600	700	100	500	500	600	100	500	500	600	100	600	600
Other mechanical components	20,00 €	1	2000	1200	600	600	2000	2600	2000	600	100	2100	1500	500	100	1600	1100	500	100	1200	700	600	0
Other Electronic components	10,00 €	1	100	700	100	600	600	700	100	600	600	700	100	500	500	600	100	500	500	600	100	600	600
Vacuum Cleaner Engine	4,00 €	1	100	700	100	600	600	700	100	600	600	700	100	500	500	600	100	500	500	600	100	600	600
Dirt Bin	7,00 €	1	100	700	100	600	600	700	100	600	600	700	100	500	500	600	100	500	500	600	100	600	600
Side Brushes	2,50 €	2	1000	2200	1000	1200	1000	2000	800	1200	1000	1800	600	1000	1000	1600	600	1000	1000	1600	600	1200	1000
Central Brush	5,00 €	1	1000	1300	700	600	0	700	100	600	1000	1100	500	500	1000	1500	1000	500	100	1100	600	600	1000
Average Stock & Order Amount				**292**		**€ 170.300,00**		**338**		**€ 137.300,00**		**315**		**€ 115.500,00**		**323**		**€ 114.000,00**		**277**		**€ 135.300,00**	

August

Components	Cost per Component	Component per product	à	Week 32		Week 33		Week 34		Week 35	
				MPS Week 32	MPS Next Week	MPS Week 33	MPS Next Week	MPS Week 34	MPS Next Week	MPS Week 35	MPS Next Week
				600	0	0	600	600	600	600	750

Components	Cost per Component	Component per product	à	Week 32				Week 33				Week 34				Week 35			
				MPS Week 32		MPS Next Week		MPS Week 33		MPS Next Week		MPS Week 34		MPS Next Week		MPS Week 35		MPS Next Week	
				600		0		0		600		600		600		600		750	
				Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week
Wheels	1,00 €	4	200	2600	200	0	100	300	300	2400	2200	2500	100	2400	2400	2500	100	3000	3000
Frame	10,00 €	1	300	900	300	0	100	400	400	600	300	700	100	600	600	700	100	750	900
Sensor	15,00 €	8	400	5200	400	0	100	500	500	4800	4400	4900	100	4800	4800	4900	100	6000	6000
Body	15,00 €	1	200	800	200	0	100	300	300	600	400	700	100	600	600	700	100	750	800
Battery	10,00 €	1	100	700	100	0	0	100	100	600	600	700	100	600	600	700	100	750	800
Power Supply	15,00 €	1	100	700	100	0	0	100	100	600	600	700	100	600	600	700	100	750	800
Other mechanical components	20,00 €	1	2000	700	100	0	0	100	100	600	2000	2100	1500	600	100	1600	1000	750	100
Other Electronic components	10,00 €	1	100	700	100	0	0	100	100	600	600	700	100	600	600	700	100	750	800
Vacuum Cleaner Engine	4,00 €	1	100	700	100	0	0	100	100	600	600	700	100	600	600	700	100	750	800
Dirt Bin	7,00 €	1	100	700	100	0	0	100	100	600	600	700	100	600	600	700	100	750	800
Side Brushes	2,50 €	2	1000	1600	400	0	100	500	500	1200	1000	1500	300	1200	1000	1300	100	1500	2000
Central Brush	5,00 €	1	1000	1600	1000	0	100	1100	1100	600	100	1200	600	600	1000	1600	1000	750	100
Average Stock & Order Amount				**246**		**€ 4.850,00**		**292**		**€ 158.600,00**		**262**		**€ 137.300,00**		**238**		**€ 172.700,00**	

September

Components	Cost per Component	Component per product	Minimum Order	Week 36				Week 37				Week 38				Week 39			
				MPS Week 36		MPS Next Week		MPS Week 37		MPS Next Week		MPS Week 38		MPS Next Week		MPS Week 39		MPS Next Week	
				750		750		750		750		750		750		750		600	
				Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week
Engine	18,00 €	1	100	900	150	750	700	850	100	750	800	900	150	750	700	850	100	600	600
Wheels	1,00 €	4	200	3100	100	3000	3000	3100	100	3000	3000	3100	100	3000	3000	3100	100	2400	2400
Frame	10,00 €	1	300	1000	250	750	600	850	100	750	900	1000	250	750	600	850	100	600	600
Sensor	15,00 €	8	400	6100	100	6000	6000	6100	100	6000	6000	6100	100	6000	6000	6100	100	4800	4800
Body	15,00 €	1	200	900	150	750	800	950	200	750	800	1000	250	750	600	850	100	600	600
Battery	10,00 €	1	100	900	150	750	700	850	100	750	800	900	150	750	700	850	100	600	600
Power Supply	15,00 €	1	100	900	150	750	700	850	100	750	800	900	150	750	700	850	100	600	600
Other mechanical components	20,00 €	1	2000	1100	350	750	2000	2350	1600	750	100	1700	950	750	100	1050	300	600	2000
Other Electronic components	10,00 €	1	100	900	150	750	700	850	100	750	800	900	150	750	700	850	100	600	600
Vacuum Cleaner Engine	4,00 €	1	100	900	150	750	700	850	100	750	800	900	150	750	700	850	100	600	600
Dirt Bin	7,00 €	1	100	900	150	750	700	850	100	750	800	900	150	750	700	850	100	600	600
Side Brushes	2,50 €	2	1000	2100	600	1500	1000	1600	100	1500	2000	2100	600	1500	1000	1600	100	1200	2000
Central Brush	5,00 €	1	1000	1100	350	750	1000	1350	600	750	1000	1600	850	750	0	850	100	600	1000
Average Stock & Order Amount				**215**		**€ 203.300,00**		**262**		**€ 177.200,00**		**308**		**€ 157.300,00**		**115**		**€ 177.800,00**	

October

Components	Cost per Component	Component per product	Minimum Order	Week 40				Week 41				Week 42				Week 43				Week 44			
				MPS Week 40		MPS Next Week		MPS Week 41		MPS Next Week		MPS Week 42		MPS Next Week		MPS Week 43		MPS Next Week		MPS Week 44		MPS Next Week	
				600		600		600		600		600		600		600		600		600		750	
				Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week
Engine	18,00 €	1	100	700	100	600	600	700	100	600	600	700	100	600	600	700	100	600	600	700	100	750	800
Wheels	1,00 €	4	200	2500	100	2400	2400	2500	100	2400	2400	2500	100	2400	2400	2500	100	2400	2400	2500	100	3000	3000
Frame	10,00 €	1	300	700	100	600	600	700	100	600	600	700	100	600	600	700	100	600	600	700	100	750	900
Sensor	15,00 €	8	400	4900	100	4800	4800	4900	100	4800	4800	4900	100	4800	4800	4900	100	4800	4800	4900	100	6000	6000
Body	15,00 €	1	200	700	100	600	600	700	100	600	600	700	100	600	600	700	100	600	600	700	100	750	800
Battery	10,00 €	1	100	700	100	600	600	700	100	600	600	700	100	600	600	700	100	600	600	700	100	750	800
Power Supply	15,00 €	1	100	700	100	600	600	700	100	600	600	700	100	600	600	700	100	600	600	700	100	750	800
Other mechanical components	20,00 €	1	2000	2300	1700	600	100	1800	1200	600	100	1300	700	600	0	700	100	600	2000	2100	1500	750	100
Other Electronic components	10,00 €	1	100	700	100	600	600	700	100	600	600	700	100	600	600	700	100	600	600	700	100	750	800
Vacuum Cleaner Engine	4,00 €	1	100	700	100	600	600	700	100	600	600	700	100	600	600	700	100	600	600	700	100	750	800
Dirt Bin	7,00 €	1	100	700	100	600	600	700	100	600	600	700	100	600	600	700	100	600	600	700	100	750	800
Side Brushes	2,50 €	2	1000	2100	900	1200	1000	1900	700	1200	1000	1700	500	1200	1000	1500	300	1200	1000	1300	100	1500	2000
Central Brush	5,00 €	1	1000	1100	500	600	1000	1500	900	600	100	1000	400	600	1000	1400	800	600	100	900	300	750	1000
Average Stock & Order Amount				**315**		**€ 137.300,00**		**292**		**€ 132.800,00**		**200**		**€ 135.300,00**		**169**		**€ 170.800,00**		**223**		**€ 177.200,00**	

November

Components	Cost per Component	Component per product	Minimum Order	Week 45				Week 46				Week 47				Week 48			
				MPS Week 45		MPS Next Week		MPS Week 46		MPS Next Week		MPS Week 47		MPS Next Week		MPS Week 48		MPS Next Week	
				750		750		750		750		750		750		750		625	
				Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week
Engine	18,00 €	1	100	900	150	750	700	850	100	750	800	900	150	750	700	850	100	625	700
Wheels	1,00 €	4	200	3100	100	3000	3000	3100	100	3000	3000	3100	100	3000	3000	3100	100	2500	2600
Frame	10,00 €	1	300	1000	250	750	600	850	100	750	900	1000	250	750	600	850	100	625	900
Sensor	15,00 €	8	400	6100	100	6000	6000	6100	100	6000	6000	6100	100	6000	6000	6100	100	5000	5200
Body	15,00 €	1	200	900	150	750	800	950	200	750	800	1000	250	750	600	850	100	625	800
Battery	10,00 €	1	100	900	150	750	700	850	100	750	800	900	150	750	700	850	100	625	700
Power Supply	15,00 €	1	100	900	150	750	700	850	100	750	800	900	150	750	700	850	100	625	700
Other mechanical components	20,00 €	1	2000	1600	850	750	0	850	100	750	2000	2100	1350	750	100	1450	700	625	2000
Other Electronic components	10,00 €	1	100	900	150	750	700	850	100	750	800	900	150	750	700	850	100	625	700
Vacuum Cleaner Engine	4,00 €	1	100	900	150	750	700	850	100	750	800	900	150	750	700	850	100	625	700
Dirt Bin	7,00 €	1	100	900	150	750	700	850	100	750	800	900	150	750	700	850	100	625	700
Side Brushes	2,50 €	2	1000	2100	600	1500	1000	1600	100	1500	2000	2100	600	1500	1000	1600	100	1250	2000
Central Brush	5,00 €	1	1000	1300	550	750	1000	1550	800	750	1000	1800	1050	750	100	1150	400	625	1000
Average Stock & Order Amount				**269**		**€ 163.300,00**		**162**		**€ 215.200,00**		**354**		**€ 157.800,00**		**169**		**€ 196.400,00**	

December

Components	Cost per Component	Component per product	Minimum Order	Week 49				Week 50				Week 51				Week 52			
				MPS Week 49		MPS Next Week		MPS Week 50		MPS Next Week		MPS Week 51		MPS Next Week		MPS Week 52		MPS Next Week	
				625		630		630		300		300		745		745			
				Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Component s Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Component s Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Component s Needed for Next Week	To order for next Week
Engine	18,00 €	1	100	800	175	630	600	775	145	300	300	445	145	745	700	845	100	0	0
Wheels	1,00 €	4	200	2700	200	2520	2600	2800	280	1200	1200	1480	280	2980	2800	3080	100	0	0
Frame	10,00 €	1	300	1000	375	630	600	975	345	300	300	645	345	745	600	945	200	0	0
Sensor	15,00 €	8	400	5300	300	5040	5200	5500	460	2400	2400	2860	460	5960	5600	6060	100	0	0
Body	15,00 €	1	200	900	275	630	600	875	245	300	200	445	145	745	800	945	200	0	0
Battery	10,00 €	1	100	800	175	630	600	775	145	300	300	445	145	745	700	845	100	0	0
Power Supply	15,00 €	1	100	800	175	630	600	775	145	300	300	445	145	745	700	845	100	0	0
Other mechanical components	20,00 €	1	2000	2700	2075	630	100	2175	1545	300	100	1645	1345	745	100	1445	700	0	0
Other Electronic components	10,00 €	1	100	800	175	630	600	775	145	300	300	445	145	745	700	845	100	0	0
Vacuum Cleaner Engine	4,00 €	1	100	800	175	630	600	775	145	300	300	445	145	745	700	845	100	0	0
Dirt Bin	7,00 €	1	100	800	175	630	600	775	145	300	300	445	145	745	700	845	100	0	0
Side Brushes	2,50 €	2	1000	2100	850	1260	1000	1850	590	600	1000	1590	990	1490	1000	1990	500	0	0
Central Brush	5,00 €	1	1000	1400	775	630	100	875	245	300	1000	1245	945	745	100	1045	300	0	0
Average Stock & Order Amount				**454**		**€ 139.000,00**		**352**		**€ 71.900,00**		**414**		**€ 154.600,00**		**208**		**€ 0,00**	

Master Production Scheduling: Molly X

I period

Month	January					February					March					April				
Week	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
MPS	400	400	500	500	400	500	600	600	500	500	600	600	500	500	500	500	500	500

II Period

Month	May				June					July				August			
Week	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
MPS	500	500	600	500	500	500	600	500	400	400	400	400	400	500	0	500	500

III Period

Month	September				October					November				December			
Week	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
MPS	625	625	625	625	450	450	450	450	500	600	600	500	600	600	300	150	600

Information

Security Stock	100

January

Components	Cost per Component	Component per product	Minimum Order	Week 1				Week 2				Week 3				Week 4				Week 5			
				MPS Week 1		MPS Next Week		MPS Week 2		MPS Next Week		MPS Week 3		MPS Next Week		MPS Week 4		MPS Next Week		MPS Week 5		MPS Next Week	
				400		400		400		500		500		500		500		400		400		500	
				Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week
Engine	18,00 €	1	100	500	100	400	400	500	100	500	500	600	100	500	500	600	100	400	400	500	100	500	500
Wheels	1,00 €	4	200	2000	400	1600	1400	1800	200	2000	2000	2200	200	2000	2000	2200	200	1600	1600	1800	200	2000	2000
Frame	10,00 €	1	300	500	100	400	600	700	300	500	300	600	100	500	600	700	200	400	300	500	100	500	600
Sensor	15,00 €	8	400	4000	800	3200	2800	3600	400	4000	4000	4400	400	4000	4000	4400	400	3200	3200	3600	400	4000	4000
Body	15,00 €	1	200	500	100	400	400	500	100	500	600	700	200	500	400	600	100	400	400	500	100	500	600
Battery	10,00 €	1	100	500	100	400	400	500	100	500	500	600	100	500	500	600	100	400	400	500	100	500	500
Power Supply	15,00 €	1	100	500	100	400	400	500	100	500	500	600	100	500	500	600	100	400	400	500	100	500	500
Other mechanical components	20,00 €	1	300	500	100	400	600	700	300	500	300	600	100	500	600	700	200	400	300	500	100	500	600
Other Electronic	10,00 €	1	100	500	100	400	400	500	100	500	500	600	100	500	500	600	100	400	400	500	100	500	500
Mop Engine	5,00 €	1	100	500	100	400	400	500	100	500	500	600	100	500	500	600	100	400	400	500	100	500	500
Water Tank	3,50 €	1	100	500	100	400	400	500	100	500	500	600	100	500	500	600	100	400	400	500	100	500	500
Mop Cloth	2,00 €	1	300	1000	600	400	100	700	300	500	300	600	100	500	600	700	200	400	300	500	100	500	600
Average Stock & Order Amount				**225**		**€ 92.200,00**		**183**		**€ 111.350,00**		**142**		**€ 117.950,00**		**158**		**€ 89.800,00**		**133**		**€ 120.950,00**	

February

Components	Cost per Component	Component per product	Minimum Order	Week 6				Week 7				Week 8				Week 9			
				MPS Week 6		MPS Next Week		MPS Week 7		MPS Next Week		MPS Week 8		MPS Next Week		MPS Week 9		MPS Next Week	
				500		600		600		600		600		500		500		500	
				Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week
Engine	18,00 €	1	100	600	100	600	600	700	100	600	600	700	100	500	500	600	100	500	500
Wheels	1,00 €	4	200	2200	200	2400	2400	2600	200	2400	2400	2600	200	2000	2000	2200	200	2000	2000
Frame	10,00 €	1	300	700	200	600	600	800	200	600	600	800	200	500	600	800	300	500	300
Sensor	15,00 €	8	400	4400	400	4800	4800	5200	400	4800	4800	5200	400	4000	4000	4400	400	4000	4000
Body	15,00 €	1	200	700	200	600	600	800	200	600	600	800	200	500	400	600	100	500	600
Battery	10,00 €	1	100	600	100	600	600	700	100	600	600	700	100	500	500	600	100	500	500
Power Supply	15,00 €	1	100	600	100	600	600	700	100	600	600	700	100	500	500	600	100	500	500
Other mechanical components	20,00 €	1	300	700	200	600	600	800	200	600	600	800	200	500	600	800	300	500	300
Other Electronic components	10,00 €	1	100	600	100	600	600	700	100	600	600	700	100	500	500	600	100	500	500
Mop Engine	5,00 €	1	100	600	100	600	600	700	100	600	600	700	100	500	500	600	100	500	500
Water Tank	3,50 €	1	100	600	100	600	600	700	100	600	600	700	100	500	500	600	100	500	500
Mop Cloth	2,00 €	1	300	700	200	600	600	800	200	600	600	800	200	500	600	800	300	500	300
Average Stock & Order Amount				**167**		**€ 139.500,00**		**167**		**€ 139.500,00**		**167**		**€ 117.950,00**		**183**		**€ 111.350,00**	

March

Components	Cost per Component	Component per product	Minimum Order	Week 10				Week 11				Week 12				Week 13			
				MPS Week 10		MPS Next Week		MPS Week 11		MPS Next Week		MPS Week 12		MPS Next Week		MPS Week 13		MPS Next Week	
				500		600		600		500		500		500		500		500	
				Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week
Engine	18,00 €	1	100	600	100	600	600	700	100	500	500	600	100	500	500	600	100	500	500
Wheels	1,00 €	4	200	2200	200	2400	2400	2600	200	2000	2000	2200	200	2000	2000	2200	200	2000	2000
Frame	10,00 €	1	300	600	100	600	600	700	100	500	600	700	200	500	600	800	300	500	300
Sensor	15,00 €	8	400	4400	400	4800	4800	5200	400	4000	4000	4400	400	4000	4000	4400	400	4000	4000
Body	15,00 €	1	200	700	200	600	600	800	200	500	400	600	100	500	600	700	200	500	400
Battery	10,00 €	1	100	600	100	600	600	700	100	500	500	600	100	500	500	600	100	500	500
Power Supply	15,00 €	1	100	600	100	600	600	700	100	500	500	600	100	500	500	600	100	500	500
Other mechanical components	20,00 €	1	300	600	100	600	600	700	100	500	600	700	200	500	600	800	300	500	300
Other Electronic components	10,00 €	1	100	600	100	600	600	700	100	500	500	600	100	500	500	600	100	500	500
Mop Engine	5,00 €	1	100	600	100	600	600	700	100	500	500	600	100	500	500	600	100	500	500
Water Tank	3,50 €	1	100	600	100	600	600	700	100	500	500	600	100	500	500	600	100	500	500
Mop Cloth	2,00 €	1	300	600	100	600	600	700	100	500	600	700	200	500	600	800	300	500	300
Average Stock & Order Amount				**142**		**€ 139.500,00**		**142**		**€ 117.950,00**		**158**		**€ 120.950,00**		**192**		**€ 108.350,00**	

April

Components	Cost per Component	Component per product	Minimum Order	Week 14				Week 15				Week 16				Week 17				Week 18			
				MPS Week 14		MPS Next Week		MPS Week 15		MPS Next Week		MPS Week 16		MPS Next Week		MPS Week 17		MPS Next Week		MPS Week 18		MPS Next Week	
				500		500		500		500		500		500		500		500		500		500	
				Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week
Engine	18,00 €	1	100	600	100	500	500	600	100	500	500	600	100	500	500	600	100	500	500	600	100	500	500
Wheels	1,00 €	4	200	2200	200	2000	2000	2200	200	2000	2000	2200	200	2000	2000	2200	200	2000	2000	2200	200	2000	2000
Frame	10,00 €	1	300	600	100	500	600	700	200	500	600	800	300	500	300	600	100	500	600	700	200	500	600
Sensor	15,00 €	8	400	4400	400	4000	4000	4400	400	4000	4000	4400	400	4000	4000	4400	400	4000	4000	4400	400	4000	4000
Body	15,00 €	1	200	600	100	500	600	700	200	500	400	600	100	500	600	700	200	500	400	600	100	500	600
Battery	10,00 €	1	100	600	100	500	500	600	100	500	500	600	100	500	500	600	100	500	500	600	100	500	500
Power Supply	15,00 €	1	100	600	100	500	500	600	100	500	500	600	100	500	500	600	100	500	500	600	100	500	500
Other mechanical components	20,00 €	1	300	600	100	500	600	700	200	500	600	800	300	500	300	600	100	500	600	700	200	500	600
Other Electronic components	10,00 €	1	100	600	100	500	500	600	100	500	500	600	100	500	500	600	100	500	500	600	100	500	500
Mop Engine	5,00 €	1	100	600	100	500	500	600	100	500	500	600	100	500	500	600	100	500	500	600	100	500	500

Components	Cost per Component	Component per product	Minimum Order	Week 14				Week 15				Week 16				Week 17				Week 18			
				MPS Week 14		MPS Next Week		MPS Week 15		MPS Next Week		MPS Week 16		MPS Next Week		MPS Week 17		MPS Next Week		MPS Week 18		MPS Next Week	
				500		500		500		500		500		500		500		500		500		500	
				Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week
Water Tank	3,50 €	1	100	600	100	500	500	600	100	500	500	600	100	500	500	600	100	500	500	600	100	500	500
Mop Cloth	2,00 €	1	300	600	100	500	600	700	200	500	600	800	300	500	300	600	100	500	600	700	200	500	600
Average Stock & Order Amount				**133**		**€ 120.950,00**		**167**		**€ 117.950,00**		**183**		**€ 111.350,00**		**142**		**€ 117.950,00**		**158**		**€ 120.950,00**	

May

Components	Cost per Component	Component per product	Minimum Order	Week 19				Week 20				Week 21				Week 22			
				MPS Week 19		MPS Next Week		MPS Week 20		MPS Next Week		MPS Week 21		MPS Next Week		MPS Week 22		MPS Next Week	
				500		500		500		600		600		500		500		500	
				Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week
Engine	18,00 €	1	100	600	100	500	500	600	100	600	600	700	100	500	500	600	100	500	500
Wheels	1,00 €	4	200	2200	200	2000	2000	2200	200	2400	2400	2600	200	2000	2000	2200	200	2000	2000
Frame	10,00 €	1	300	800	300	500	300	600	100	600	600	700	100	500	600	700	200	500	600
Sensor	15,00 €	8	400	4400	400	4000	4000	4400	400	4800	4800	5200	400	4000	4000	4400	400	4000	4000
Body	15,00 €	1	200	700	200	500	400	600	100	600	600	700	100	500	600	700	200	500	400
Battery	10,00 €	1	100	600	100	500	500	600	100	600	600	700	100	500	500	600	100	500	500
Power Supply	15,00 €	1	100	600	100	500	500	600	100	600	600	700	100	500	500	600	100	500	500
Other mechanical components	20,00 €	1	300	800	300	500	300	600	100	600	600	700	100	500	600	700	200	500	600
Other Electronic components	10,00 €	1	100	600	100	500	500	600	100	600	600	700	100	500	500	600	100	500	500
Mop Engine	5,00 €	1	100	600	100	500	500	600	100	600	600	700	100	500	500	600	100	500	500
Water Tank	3,50 €	1	100	600	100	500	500	600	100	600	600	700	100	500	500	600	100	500	500
Mop Cloth	2,00 €	1	300	800	300	500	300	600	100	600	600	700	100	500	600	700	200	500	600
Average Stock & Order Amount				**192**		**€ 108.350,00**		**133**		**€ 139.500,00**		**133**		**€ 120.950,00**		**167**		**€ 117.950,00**	

June

Components	Cost per Component	Component per product	Minimum Order	Week 23				Week 24				Week 25				Week 26			
				MPS Week 23		MPS Next Week		MPS Week 24		MPS Next Week		MPS Week 25		MPS Next Week		MPS Week 26		MPS Next Week	
				500		500		500		600		600		500		500		400	
				Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week
Engine	18,00 €	1	100	600	100	500	500	600	100	600	600	700	100	500	500	600	100	400	400
Wheels	1,00 €	4	200	2200	200	2000	2000	2200	200	2400	2400	2600	200	2000	2000	2200	200	1600	1600
Frame	10,00 €	1	300	800	300	500	300	600	100	600	600	700	100	500	600	700	200	400	300
Sensor	15,00 €	8	400	4400	400	4000	4000	4400	400	4800	4800	5200	400	4000	4000	4400	400	3200	3200
Body	15,00 €	1	200	600	100	500	600	700	200	600	600	800	200	500	400	600	100	400	400
Battery	10,00 €	1	100	600	100	500	500	600	100	600	600	700	100	500	500	600	100	400	400
Power Supply	15,00 €	1	100	600	100	500	500	600	100	600	600	700	100	500	500	600	100	400	400
Other mechanical components	20,00 €	1	300	800	300	500	300	600	100	600	600	700	100	500	600	700	200	400	300
Other Electronic components	10,00 €	1	100	600	100	500	500	600	100	600	600	700	100	500	500	600	100	400	400
Mop Engine	5,00 €	1	100	600	100	500	500	600	100	600	600	700	100	500	500	600	100	400	400
Water Tank	3,50 €	1	100	600	100	500	500	600	100	600	600	700	100	500	500	600	100	400	400
Mop Cloth	2,00 €	1	300	800	300	500	300	600	100	600	600	700	100	500	600	700	200	400	300
Average Stock & Order Amount				**183**		**€ 111.350,00**		**142**		**€ 139.500,00**		**142**		**€ 117.950,00**		**158**		**€ 89.800,00**	

July

Components	Cost per Component	Component per product	Minimum Order	Week 27				Week 28				Week 29				Week 30				Week 31			
				MPS Week 27		MPS Next Week		MPS Week 28		MPS Next Week		MPS Week 29		MPS Next Week		MPS Week 30		MPS Next Week		MPS Week 31		MPS Next Week	
				400		400		400		400		400		400		400		400		400		500	
				Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week
Engine	18,00 €	1	100	500	100	400	400	500	100	400	400	500	100	400	400	500	100	400	400	500	100	500	500
Wheels	1,00 €	4	200	1800	200	1600	1600	1800	200	1600	1600	1800	200	1600	1600	1800	200	1600	1600	1800	200	2000	2000
Frame	10,00 €	1	300	500	100	400	600	700	300	400	300	600	200	400	300	500	100	400	600	700	300	500	300
Sensor	15,00 €	8	400	3600	400	3200	3200	3600	400	3200	3200	3600	400	3200	3200	3600	400	3200	3200	3600	400	4000	4000
Body	15,00 €	1	200	500	100	400	400	500	100	400	400	500	100	400	400	500	100	400	400	500	100	500	600
Battery	10,00 €	1	100	500	100	400	400	500	100	400	400	500	100	400	400	500	100	400	400	500	100	500	500
Power Supply	15,00 €	1	100	500	100	400	400	500	100	400	400	500	100	400	400	500	100	400	400	500	100	500	500
Other mechanical components	20,00 €	1	300	500	100	400	600	700	300	400	300	600	200	400	300	500	100	400	600	700	300	500	300
Other Electronic components	10,00 €	1	100	500	100	400	400	500	100	400	400	500	100	400	400	500	100	400	400	500	100	500	500
Mop Engine	5,00 €	1	100	500	100	400	400	500	100	400	400	500	100	400	400	500	100	400	400	500	100	500	500
Water Tank	3,50 €	1	100	500	100	400	400	500	100	400	400	500	100	400	400	500	100	400	400	500	100	500	500
Mop Cloth	2,00 €	1	300	500	100	400	600	700	300	400	300	600	200	400	300	500	100	400	600	700	300	500	300
Average Stock & Order Amount				**133**		**€ 99.400,00**		**183**		**€ 89.800,00**		**158**		**€ 89.800,00**		**133**		**€ 99.400,00**		**183**		**€ 111.350,00**	

August

Components	Cost per Component	Component per product	Minimum Order	Week 32				Week 33				Week 34				Week 35			
				MPS Week 32		MPS Next Week		MPS Week 33		MPS Next Week		MPS Week 34		MPS Next Week		MPS Week 35		MPS Next Week	
				500		0		0		500		500		500		500		625	
				Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week
Engine	18,00 €	1	100	600	100	0	0	100	100	500	500	600	100	500	500	600	100	625	700
Wheels	1,00 €	4	200	2200	200	0	100	300	300	2000	1800	2100	100	2000	2000	2100	100	2500	2600
Frame	10,00 €	1	300	600	100	0	0	100	100	500	600	700	200	500	600	800	300	625	600
Sensor	15,00 €	8	400	4400	400	0	100	500	500	4000	3600	4100	100	4000	4000	4100	100	5000	5200
Body	15,00 €	1	200	700	200	0	100	300	300	500	400	700	200	500	400	600	100	625	800
Battery	10,00 €	1	100	600	100	0	0	100	100	500	500	600	100	500	500	600	100	625	700
Power Supply	15,00 €	1	100	600	100	0	0	100	100	500	500	600	100	500	500	600	100	625	700
Other mechanical components	20,00 €	1	300	600	100	0	0	100	100	500	600	700	200	500	600	800	300	625	600
Other Electronic components	10,00 €	1	100	600	100	0	0	100	100	500	500	600	100	500	500	600	100	625	700
Mop Engine	5,00 €	1	100	600	100	0	0	100	100	500	500	600	100	500	500	600	100	625	700
Water Tank	3,50 €	1	100	600	100	0	0	100	100	500	500	600	100	500	500	600	100	625	700
Mop Cloth	2,00 €	1	300	600	100	0	0	100	100	500	600	700	200	500	600	800	300	625	600
Average Stock & Order Amount				**142**		**€ 3.100,00**		**167**		**€ 111.750,00**		**133**		**€ 117.950,00**		**150**		**€ 154.850,00**	

September

Components	Cost per Component	Component per product	Minimum Order	Week 36				Week 37				Week 38				Week 39			
				MPS Week 36		MPS Next Week		MPS Week 37		MPS Next Week		MPS Week 38		MPS Next Week		MPS Week 39		MPS Next Week	
				625		625		625		625		625		625		625		450	
				Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week
Engine	18,00 €	1	100	800	175	625	600	775	150	625	600	750	125	625	600	725	100	450	500
Wheels	1,00 €	4	200	2700	200	2500	2400	2600	100	2500	2600	2700	200	2500	2400	2600	100	1800	1800
Frame	10,00 €	1	300	900	275	625	600	875	250	625	600	850	225	625	600	825	200	450	600
Sensor	15,00 €	8	400	5300	300	5000	4800	5100	100	5000	5200	5300	300	5000	4800	5100	100	3600	3600
Body	15,00 €	1	200	900	275	625	600	875	250	625	600	850	225	625	600	825	200	450	400
Battery	10,00 €	1	100	800	175	625	600	775	150	625	600	750	125	625	600	725	100	450	500
Power Supply	15,00 €	1	100	800	175	625	600	775	150	625	600	750	125	625	600	725	100	450	500
Other mechanical components	20,00 €	1	300	900	275	625	600	875	250	625	600	850	225	625	600	825	200	450	600
Other Electronic components	10,00 €	1	100	800	175	625	600	775	150	625	600	750	125	625	600	725	100	450	500
Mop Engine	5,00 €	1	100	800	175	625	600	775	150	625	600	750	125	625	600	725	100	450	500
Water Tank	3,50 €	1	100	800	175	625	600	775	150	625	600	750	125	625	600	725	100	450	500
Mop Cloth	2,00 €	1	300	900	275	625	600	875	250	625	600	850	225	625	600	825	200	450	600
Average Stock & Order Amount				**221**		**€ 139.500,00**		**175**		**€ 145.700,00**		**179**		**€ 139.500,00**		**133**		**€ 111.750,00**	

October

Components	Cost per Component	Component per product	Minimum Order	Week 40				Week 41				Week 42				Week 43				Week 44			
				MPS Week 40		MPS Next Week		MPS Week 41		MPS Next Week		MPS Week 42		MPS Next Week		MPS Week 43		MPS Next Week		MPS Week 44		MPS Next Week	
				450		450		450		450		450		450		450		500		500		600	
				Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week
Engine	18,00 €	1	100	600	150	450	400	550	100	450	500	600	150	450	400	550	100	500	500	600	100	600	600
Wheels	1,00 €	4	200	1900	100	1800	1800	1900	100	1800	1800	1900	100	1800	1800	1900	100	2000	2000	2100	100	2400	2400
Frame	10,00 €	1	300	800	350	450	300	650	200	450	600	800	350	450	300	650	200	500	600	800	300	600	600
Sensor	15,00 €	8	400	3700	100	3600	3600	3700	100	3600	3600	3700	100	3600	3600	3700	100	4000	4000	4100	100	4800	4800
Body	15,00 €	1	200	600	150	450	400	550	100	450	600	700	250	450	400	650	200	500	400	600	100	600	600
Battery	10,00 €	1	100	600	150	450	400	550	100	450	500	600	150	450	400	550	100	500	500	600	100	600	600
Power Supply	15,00 €	1	100	600	150	450	400	550	100	450	500	600	150	450	400	550	100	500	500	600	100	600	600
Other mechanical components	20,00 €	1	300	800	350	450	300	650	200	450	600	800	350	450	300	650	200	500	600	800	300	600	600
Other Electronic components	10,00 €	1	100	600	150	450	400	550	100	450	500	600	150	450	400	550	100	500	500	600	100	600	600
Mop Engine	5,00 €	1	100	600	150	450	400	550	100	450	500	600	150	450	400	550	100	500	500	600	100	600	600
Water Tank	3,50 €	1	100	600	150	450	400	550	100	450	500	600	150	450	400	550	100	500	500	600	100	600	600
Mop Cloth	2,00 €	1	300	800	350	450	300	650	200	450	600	800	350	450	300	650	200	500	600	800	300	600	600
Average Stock & Order Amount				**192**		**€ 96.000,00**		**125**		**€ 114.750,00**		**200**		**€ 96.000,00**		**133**		**€ 117.950,00**		**150**		**€ 139.500,00**	

November

Components	Cost per Component	Component per product	Minimum Order	Week 45				Week 46				Week 47				Week 48			
				MPS Week 45		MPS Next Week		MPS Week 46		MPS Next Week		MPS Week 47		MPS Next Week		MPS Week 48		MPS Next Week	
				600		600		600		500		500		600		600		600	
				Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week
Engine	18,00 €	1	100	700	100	600	600	700	100	500	500	600	100	600	600	700	100	600	600
Wheels	1,00 €	4	200	2500	100	2400	2400	2500	100	2000	2000	2100	100	2400	2400	2500	100	2400	2400
Frame	10,00 €	1	300	900	300	600	600	900	300	500	300	600	100	600	600	700	100	600	600
Sensor	15,00 €	8	400	4900	100	4800	4800	4900	100	4000	4000	4100	100	4800	4800	4900	100	4800	4800
Body	15,00 €	1	200	700	100	600	600	700	100	500	600	700	200	600	600	800	200	600	600
Battery	10,00 €	1	100	700	100	600	600	700	100	500	500	600	100	600	600	700	100	600	600
Power Supply	15,00 €	1	100	700	100	600	600	700	100	500	500	600	100	600	600	700	100	600	600
Other mechanical components	20,00 €	1	300	900	300	600	600	900	300	500	300	600	100	600	600	700	100	600	600
Other Electronic components	10,00 €	1	100	700	100	600	600	700	100	500	500	600	100	600	600	700	100	600	600
Mop Engine	5,00 €	1	100	700	100	600	600	700	100	500	500	600	100	600	600	700	100	600	600
Water Tank	3,50 €	1	100	700	100	600	600	700	100	500	500	600	100	600	600	700	100	600	600
Mop Cloth	2,00 €	1	300	900	300	600	600	900	300	500	300	600	100	600	600	700	100	600	600
Average Stock & Order Amount				**150**		**€ 139.500,00**		**150**		**€ 111.350,00**		**108**		**€ 139.500,00**		**108**		**€ 139.500,00**	

December

Components	Cost per Component	Component per product	Minimum Order	Week 49				Week 50				Week 51				Week 52			
				MPS Week 49		MPS Next Week		MPS Week 50		MPS Next Week		MPS Week 51		MPS Next Week		MPS Week 52		MPS Next Week	
				600		300		300		150		150		600		600			
				Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week
Engine	18,00 €	1	100	700	100	300	300	400	100	150	200	300	150	600	600	750	150	0	0
Wheels	1,00 €	4	200	2500	100	1200	1200	1300	100	600	600	700	100	2400	2400	2500	100	0	0
Frame	10,00 €	1	300	700	100	300	300	400	100	150	300	400	250	600	600	850	250	0	0
Sensor	15,00 €	8	400	4900	100	2400	2400	2500	100	1200	1200	1300	100	4800	4800	4900	100	0	0
Body	15,00 €	1	200	800	200	300	200	400	100	150	200	300	150	600	600	750	150	0	0
Battery	10,00 €	1	100	700	100	300	300	400	100	150	200	300	150	600	600	750	150	0	0
Power Supply	15,00 €	1	100	700	100	300	300	400	100	150	200	300	150	600	600	750	150	0	0
Other mechanical components	20,00 €	1	300	700	100	300	300	400	100	150	300	400	250	600	600	850	250	0	0
Other Electronic components	10,00 €	1	100	700	100	300	300	400	100	150	200	300	150	600	600	750	150	0	0
Mop Engine	5,00 €	1	100	700	100	300	300	400	100	150	200	300	150	600	600	750	150	0	0
Water Tank	3,50 €	1	100	700	100	300	300	400	100	150	200	300	150	600	600	750	150	0	0
Mop Cloth	2,00 €	1	300	700	100	300	300	400	100	150	300	400	250	600	600	850	250	0	0
Average Stock & Order Amount				**108**		**€ 68.250,00**		**100**		**€ 43.500,00**		**167**		**€ 139.500,00**		**167**		**€ 0,00**	

Master Production Scheduling: Dolly X

I period

Month	January					February				March				April				
Week	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
MPS	200	250	250	250	250	300	300	300	300	300	300	300	300	300	300	300	300	300

II Period

Month	May				June					July				August			
Week	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
MPS	200	250	250	250	250	300	300	300	300	300	300	300	300	300	300	300	300

III Period

Month	September				October					November				December			
Week	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
MPS	250	300	300	250	300	300	300	300	300	300	250	250	300	300	150	50	300

Information

Security Stock	100

January

Components	Cost per Component	Component per product	Minimum Order	Week 1				Week 2				Week 3				Week 4				Week 5			
				MPS Week 1		MPS Next Week		MPS Week 2		MPS Next Week		MPS Week 3		MPS Next Week		MPS Week 4		MPS Next Week		MPS Week 5		MPS Next Week	
				200		250		250		250		250		250		250		250		250		300	
				Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week
Engine	12,00 €	1	100	500	300	250	100	400	150	250	200	350	100	250	300	400	150	250	200	350	100	300	300
Wheels	1,00 €	4	200	2000	1200	1000	100	1300	300	1000	800	1100	100	1000	1000	1100	100	1000	1000	1100	100	1200	1200
Frame	7,00 €	1	300	500	300	250	300	600	350	250	0	350	100	250	300	400	150	250	300	450	200	300	300
Sensor	10,00 €	8	400	4000	2400	2000	100	2500	500	2000	1600	2100	100	2000	2000	2100	100	2000	2000	2100	100	2400	2400
Body	13,00 €	1	500	500	300	250	500	800	550	250	100	650	400	250	100	500	250	250	500	750	500	300	100
Battery	7,00 €	1	400	500	300	250	400	700	450	250	100	550	300	250	400	700	450	250	100	550	300	300	400
Power Supply	15,00 €	1	100	500	300	250	100	400	150	250	200	350	100	250	300	400	150	250	200	350	100	300	300
Other mechanical components	15,00 €	1	300	500	300	250	300	600	350	250	0	350	100	250	300	400	150	250	300	450	200	300	300
Other Electronic	8,00 €	1	100	500	300	250	100	400	150	250	200	350	100	250	300	400	150	250	200	350	100	300	300
Vacuum Cleaner Engine	4,00 €	1	100	500	300	250	100	400	150	250	200	350	100	250	300	400	150	250	200	350	100	300	300
Dirt Bin	5,00 €	1	100	500	300	250	100	400	150	250	200	350	100	250	300	400	150	250	200	350	100	300	300
Side Brushes	2,50 €	2	300	1000	600	500	0	600	100	500	600	700	200	500	600	800	300	500	300	600	100	600	600
Central Brush	5,00 €	1	400	500	300	250	400	700	450	250	100	550	300	250	400	700	450	250	100	550	300	300	400
Other Vacuum Cleaner Accessories	3,00 €	1	200	400	200	250	200	400	150	250	200	350	100	250	400	500	250	250	200	450	200	300	200
Average Stock & Order Amount				**529**		**€ 24.000,00**		**282**		**€ 30.200,00**		**157**		**€ 49.600,00**		**211**		**€ 45.450,00**		**179**		**€ 53.200,00**	

February

Components	Cost per Component	Component per product	Minimum Order	Week 6				Week 7				Week 8				Week 9			
				MPS Week 6		MPS Next Week		MPS Week 7		MPS Next Week		MPS Week 8		MPS Next Week		MPS Week 9		MPS Next Week	
				300		300		300		300		300		300		300		300	
				Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week
Engine	12,00 €	1	100	400	100	300	300	400	100	300	300	400	100	300	300	400	100	300	300
Wheels	1,00 €	4	200	1300	100	1200	1200	1300	100	1200	1200	1300	100	1200	1200	1300	100	1200	1200
Frame	7,00 €	1	300	500	200	300	300	500	200	300	300	500	200	300	300	500	200	300	300
Sensor	10,00 €	8	400	2500	100	2400	2400	2500	100	2400	2400	2500	100	2400	2400	2500	100	2400	2400
Body	13,00 €	1	500	600	300	300	500	800	500	300	100	600	300	300	500	800	500	300	100
Battery	7,00 €	1	400	700	400	300	0	400	100	300	400	500	200	300	400	600	300	300	400
Power Supply	15,00 €	1	100	400	100	300	300	400	100	300	300	400	100	300	300	400	100	300	300
Other mechanical components	15,00 €	1	300	500	200	300	300	500	200	300	300	500	200	300	300	500	200	300	300
Other Electronic components	8,00 €	1	100	400	100	300	300	400	100	300	300	400	100	300	300	400	100	300	300
Vacuum Cleaner Engine	4,00 €	1	100	400	100	300	300	400	100	300	300	400	100	300	300	400	100	300	300
Dirt Bin	5,00 €	1	100	400	100	300	300	400	100	300	300	400	100	300	300	400	100	300	300
Side Brushes	2,50 €	2	300	700	100	600	600	700	100	600	600	700	100	600	600	700	100	600	600
Central Brush	5,00 €	1	400	700	400	300	0	400	100	300	400	500	200	300	400	600	300	300	400
Other Vacuum Cleaner Accessories	3,00 €	1	200	400	100	300	400	500	200	300	200	400	100	300	400	500	200	300	200
Average Stock & Order Amount				**171**		**€ 54.200,00**		**150**		**€ 53.200,00**		**143**		**€ 59.000,00**		**179**		**€ 53.200,00**	

March

Components	Cost per Component	Component per product	Minimum Order	Week 10				Week 11				Week 12				Week 13			
				MPS Week 10		MPS Next Week		MPS Week 11		MPS Next Week		MPS Week 12		MPS Next Week		MPS Week 13		MPS Next Week	
				300		300		300		300		300		300		300		300	
				Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week
Engine	12,00 €	1	100	400	100	300	300	400	100	300	300	400	100	300	300	400	100	300	300
Wheels	1,00 €	4	200	1300	100	1200	1200	1300	100	1200	1200	1300	100	1200	1200	1300	100	1200	1200
Frame	7,00 €	1	300	500	200	300	300	500	200	300	300	500	200	300	300	500	200	300	300
Sensor	10,00 €	8	400	2500	100	2400	2400	2500	100	2400	2400	2500	100	2400	2400	2500	100	2400	2400
Body	13,00 €	1	500	600	300	300	500	800	500	300	100	600	300	300	500	800	500	300	100
Battery	7,00 €	1	400	700	400	300	0	400	100	300	400	500	200	300	400	600	300	300	400
Power Supply	15,00 €	1	100	400	100	300	300	400	100	300	300	400	100	300	300	400	100	300	300
Other mechanical components	15,00 €	1	300	500	200	300	300	500	200	300	300	500	200	300	300	500	200	300	300
Other Electronic components	8,00 €	1	100	400	100	300	300	400	100	300	300	400	100	300	300	400	100	300	300
Vacuum Cleaner Engine	4,00 €	1	100	400	100	300	300	400	100	300	300	400	100	300	300	400	100	300	300
Dirt Bin	5,00 €	1	100	400	100	300	300	400	100	300	300	400	100	300	300	400	100	300	300
Side Brushes	2,50 €	2	300	700	100	600	600	700	100	600	600	700	100	600	600	700	100	600	600
Central Brush	5,00 €	1	400	700	400	300	0	400	100	300	400	500	200	300	400	600	300	300	400
Other Vacuum Cleaner Accessories	3,00 €	1	200	400	100	300	400	500	200	300	200	400	100	300	400	500	200	300	200
Average Stock & Order Amount				**171**		**€ 54.200,00**		**150**		**€ 53.200,00**		**143**		**€ 59.000,00**		**179**		**€ 53.200,00**	

April

Components	Cost per Component	Component per product	Minimum Order	Week 14				Week 15				Week 16				Week 17				Week 18			
				MPS Week 14		MPS Next Week		MPS Week 15		MPS Next Week		MPS Week 16		MPS Next Week		MPS Week 17		MPS Next Week		MPS Week 18		MPS Next Week	
				300		300		300		300		300		300		300		300		300		200	
				Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week
Engine	12,00 €	1	100	400	100	300	300	400	100	300	300	400	100	300	300	400	100	300	300	400	100	200	200
Wheels	1,00 €	4	200	1300	100	1200	1200	1300	100	1200	1200	1300	100	1200	1200	1300	100	1200	1200	1300	100	800	800
Frame	7,00 €	1	300	500	200	300	300	500	200	300	300	500	200	300	300	500	200	300	300	500	200	200	300
Sensor	10,00 €	8	400	2500	100	2400	2400	2500	100	2400	2400	2500	100	2400	2400	2500	100	2400	2400	2500	100	1600	1600
Body	13,00 €	1	500	600	300	300	500	800	500	300	100	600	300	300	500	800	500	300	100	600	300	200	0
Battery	7,00 €	1	400	700	400	300	0	400	100	300	400	500	200	300	400	600	300	300	400	700	400	200	100
Power Supply	15,00 €	1	100	400	100	300	300	400	100	300	300	400	100	300	300	400	100	300	300	400	100	200	200

Components	Cost per Component	Component per product	Minimum Order	Week 14				Week 15				Week 16				Week 17				Week 18			
				MPS Week 14		MPS Next Week		MPS Week 15		MPS Next Week		MPS Week 16		MPS Next Week		MPS Week 17		MPS Next Week		MPS Week 18		MPS Next Week	
				300		300		300		300		300		300		300		300		300		200	
				Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week
Other mechanical components	15,00 €	1	300	500	200	300	300	500	200	300	300	500	200	300	300	500	200	300	300	500	200	200	300
Other Electronic components	8,00 €	1	100	400	100	300	300	400	100	300	300	400	100	300	300	400	100	300	300	400	100	200	200
Vacuum Cleaner Engine	4,00 €	1	100	400	100	300	300	400	100	300	300	400	100	300	300	400	100	300	300	400	100	200	200
Dirt Bin	5,00 €	1	100	400	100	300	300	400	100	300	300	400	100	300	300	400	100	300	300	400	100	200	200
Side Brushes	2,50 €	2	300	700	100	600	600	700	100	600	600	700	100	600	600	700	100	600	600	700	100	400	600
Central Brush	5,00 €	1	400	700	400	300	0	400	100	300	400	500	200	300	400	600	300	300	400	700	400	200	100
Other Vacuum Cleaner Accessories	3,00 €	1	200	400	100	300	400	500	200	300	200	400	100	300	400	500	200	300	200	400	100	200	200
Average Stock & Order Amount				**171**		**€ 54.200,00**		**150**		**€ 53.200,00**		**143**		**€ 59.000,00**		**179**		**€ 53.200,00**		**171**		**€ 35.500,00**	

May

Components	Cost per Component	Component per product	Minimum Order	Week 19				Week 20				Week 21				Week 22			
				MPS Week 19		MPS Next Week		MPS Week 20		MPS Next Week		MPS Week 21		MPS Next Week		MPS Week 22		MPS Next Week	
				200		250		250		250		250		250		250		250	
				Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week
Engine	12,00 €	1	100	300	100	250	300	400	150	250	200	350	100	250	300	400	150	250	200
Wheels	1,00 €	4	200	900	100	1000	1000	1100	100	1000	1000	1100	100	1000	1000	1100	100	1000	1000
Frame	7,00 €	1	300	500	300	250	300	600	350	250	0	350	100	250	300	400	150	250	300
Sensor	10,00 €	8	400	1700	100	2000	2000	2100	100	2000	2000	2100	100	2000	2000	2100	100	2000	2000
Body	13,00 €	1	500	300	100	250	500	600	350	250	0	350	100	250	500	600	350	250	0
Battery	7,00 €	1	400	500	300	250	400	700	450	250	100	550	300	250	400	700	450	250	100
Power Supply	15,00 €	1	100	300	100	250	300	400	150	250	200	350	100	250	300	400	150	250	200
Other mechanical components	15,00 €	1	300	500	300	250	300	600	350	250	0	350	100	250	300	400	150	250	300
Other Electronic components	8,00 €	1	100	300	100	250	300	400	150	250	200	350	100	250	300	400	150	250	200
Vacuum Cleaner Engine	4,00 €	1	100	300	100	250	300	400	150	250	200	350	100	250	300	400	150	250	200
Dirt Bin	5,00 €	1	100	300	100	250	300	400	150	250	200	350	100	250	300	400	150	250	200
Side Brushes	2,50 €	2	300	700	300	500	300	600	100	500	600	700	200	500	600	800	300	500	300
Central Brush	5,00 €	1	400	500	300	250	400	700	450	250	100	550	300	250	400	700	450	250	100
Other Vacuum Cleaner Accessories	3,00 €	1	200	300	100	250	400	500	250	250	200	450	200	250	200	400	150	250	200
Average Stock & Order Amount				**171**		**€ 54.050,00**		**232**		**€ 33.100,00**		**143**		**€ 54.200,00**		**211**		**€ 38.950,00**	

June

Components	Cost per Component	Component per product	Minimum Order	Week 23				Week 24				Week 25				Week 26			
				MPS Week 23		MPS Next Week		MPS Week 24		MPS Next Week		MPS Week 25		MPS Next Week		MPS Week 26		MPS Next Week	
				250		300		300		300		300		300		300		300	
				Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week
Engine	12,00 €	1	100	350	100	300	300	400	100	300	300	400	100	300	300	400	100	300	300
Wheels	1,00 €	4	200	1100	100	1200	1200	1300	100	1200	1200	1300	100	1200	1200	1300	100	1200	1200
Frame	7,00 €	1	300	450	200	300	300	500	200	300	300	500	200	300	300	500	200	300	300
Sensor	10,00 €	8	400	2100	100	2400	2400	2500	100	2400	2400	2500	100	2400	2400	2500	100	2400	2400
Body	13,00 €	1	500	350	100	300	500	600	300	300	500	800	500	300	100	600	300	300	500
Battery	7,00 €	1	400	550	300	300	400	700	400	300	0	400	100	300	400	500	200	300	400
Power Supply	15,00 €	1	100	350	100	300	300	400	100	300	300	400	100	300	300	400	100	300	300
Other mechanical components	15,00 €	1	300	450	200	300	300	500	200	300	300	500	200	300	300	500	200	300	300
Other Electronic components	8,00 €	1	100	350	100	300	300	400	100	300	300	400	100	300	300	400	100	300	300
Vacuum Cleaner Engine	4,00 €	1	100	350	100	300	300	400	100	300	300	400	100	300	300	400	100	300	300
Dirt Bin	5,00 €	1	100	350	100	300	300	400	100	300	300	400	100	300	300	400	100	300	300
Side Brushes	2,50 €	2	300	600	100	600	600	700	100	600	600	700	100	600	600	700	100	600	600
Central Brush	5,00 €	1	400	550	300	300	400	700	400	300	0	400	100	300	400	500	200	300	400
Other Vacuum Cleaner Accessories	3,00 €	1	200	350	100	300	400	500	200	300	200	400	100	300	400	500	200	300	200
Average Stock & Order Amount				**143**		**€ 59.000,00**		**179**		**€ 53.600,00**		**143**		**€ 53.800,00**		**150**		**€ 58.400,00**	

July

Components	Cost per Component	Component per product	Minimum Order	Week 27				Week 28				Week 29				Week 30				Week 31			
				MPS Week 27		MPS Next Week		MPS Week 28		MPS Next Week		MPS Week 29		MPS Next Week		MPS Week 30		MPS Next Week		MPS Week 31		MPS Next Week	
				300		300		300		300		300		300		300		300		300		300	
				Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week
Engine	12,00 €	1	100	400	100	300	300	400	100	300	300	400	100	300	300	400	100	300	300	400	100	300	300
Wheels	1,00 €	4	200	1300	100	1200	1200	1300	100	1200	1200	1300	100	1200	1200	1300	100	1200	1200	1300	100	1200	1200
Frame	7,00 €	1	300	500	200	300	300	500	200	300	300	500	200	300	300	500	200	300	300	500	200	300	300
Sensor	10,00 €	8	400	2500	100	2400	2400	2500	100	2400	2400	2500	100	2400	2400	2500	100	2400	2400	2500	100	2400	2400
Body	13,00 €	1	500	800	500	300	100	600	300	300	500	800	500	300	100	600	300	300	500	800	500	300	100
Battery	7,00 €	1	400	600	300	300	400	700	400	300	0	400	100	300	400	500	200	300	400	600	300	300	400
Power Supply	15,00 €	1	100	400	100	300	300	400	100	300	300	400	100	300	300	400	100	300	300	400	100	300	300
Other mechanical components	15,00 €	1	300	500	200	300	300	500	200	300	300	500	200	300	300	500	200	300	300	500	200	300	300
Other Electronic components	8,00 €	1	100	400	100	300	300	400	100	300	300	400	100	300	300	400	100	300	300	400	100	300	300
Vacuum Cleaner Engine	4,00 €	1	100	400	100	300	300	400	100	300	300	400	100	300	300	400	100	300	300	400	100	300	300
Dirt Bin	5,00 €	1	100	400	100	300	300	400	100	300	300	400	100	300	300	400	100	300	300	400	100	300	300
Side Brushes	2,50 €	2	300	700	100	600	600	700	100	600	600	700	100	600	600	700	100	600	600	700	100	600	600
Central Brush	5,00 €	1	400	600	300	300	400	700	400	300	0	400	100	300	400	500	200	300	400	600	300	300	400
Other Vacuum Cleaner Accessories	3,00 €	1	200	400	100	300	400	500	200	300	200	400	100	300	400	500	200	300	200	400	100	300	400
Average Stock & Order Amount				**171**		**€ 53.800,00**		**179**		**€ 53.600,00**		**143**		**€ 53.800,00**		**150**		**€ 58.400,00**		**171**		**€ 53.800,00**	

August

Components	Cost per Component	Component per product	Minimum Order	Week 32				Week 33				Week 34				Week 35			
				MPS Week 32		MPS Next Week		MPS Week 33		MPS Next Week		MPS Week 34		MPS Next Week		MPS Week 35		MPS Next Week	
				300		300		300		300		300		300		300		250	
				Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week
Engine	12,00 €	1	100	400	100	300	300	400	100	300	300	400	100	300	300	400	100	250	300
Wheels	1,00 €	4	200	1300	100	1200	1200	1300	100	1200	1200	1300	100	1200	1200	1300	100	1000	1000
Frame	7,00 €	1	300	500	200	300	300	500	200	300	300	500	200	300	300	500	200	250	300
Sensor	10,00 €	8	400	2500	100	2400	2400	2500	100	2400	2400	2500	100	2400	2400	2500	100	2000	2000
Body	13,00 €	1	500	600	300	300	500	800	500	300	100	600	300	300	500	800	500	250	100
Battery	7,00 €	1	400	700	400	300	0	400	100	300	400	500	200	300	400	600	300	250	400
Power Supply	15,00 €	1	100	400	100	300	300	400	100	300	300	400	100	300	300	400	100	250	300
Other mechanical components	15,00 €	1	300	500	200	300	300	500	200	300	300	500	200	300	300	500	200	250	300
Other Electronic components	8,00 €	1	100	400	100	300	300	400	100	300	300	400	100	300	300	400	100	250	300
Vacuum Cleaner Engine	4,00 €	1	100	400	100	300	300	400	100	300	300	400	100	300	300	400	100	250	300
Dirt Bin	5,00 €	1	100	400	100	300	300	400	100	300	300	400	100	300	300	400	100	250	300
Side Brushes	2,50 €	2	300	700	100	600	600	700	100	600	600	700	100	600	600	700	100	500	600
Central Brush	5,00 €	1	400	700	400	300	0	400	100	300	400	500	200	300	400	600	300	250	400
Other Vacuum Cleaner Accessories	3,00 €	1	200	500	200	300	200	400	100	300	400	500	200	300	200	400	100	250	400
Average Stock & Order Amount				**179**		**€ 53.600,00**		**143**		**€ 53.800,00**		**150**		**€ 58.400,00**		**171**		**€ 49.600,00**	

September

Components	Cost per Component	Component per product	Minimum Order	Week 36				Week 37				Week 38				Week 39			
				MPS Week 36		MPS Next Week		MPS Week 37		MPS Next Week		MPS Week 38		MPS Next Week		MPS Week 39		MPS Next Week	
				250		300		300		300		300		250		250		300	
				Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week
Engine	12,00 €	1	100	400	150	300	300	450	150	300	300	450	150	250	200	350	100	300	300
Wheels	1,00 €	4	200	1100	100	1200	1200	1300	100	1200	1200	1300	100	1000	1000	1100	100	1200	1200
Frame	7,00 €	1	300	500	250	300	300	550	250	300	300	550	250	250	300	550	300	300	300
Sensor	10,00 €	8	400	2100	100	2400	2400	2500	100	2400	2400	2500	100	2000	2000	2100	100	2400	2400
Body	13,00 €	1	500	600	350	300	500	850	550	300	100	650	350	250	0	350	100	300	500
Battery	7,00 €	1	400	700	450	300	100	550	250	300	400	650	350	250	0	350	100	300	400
Power Supply	15,00 €	1	100	400	150	300	300	450	150	300	300	450	150	250	200	350	100	300	300
Other mechanical components	15,00 €	1	300	500	250	300	300	550	250	300	300	550	250	250	300	550	300	300	300
Other Electronic components	8,00 €	1	100	400	150	300	300	450	150	300	300	450	150	250	200	350	100	300	300
Vacuum Cleaner Engine	4,00 €	1	100	400	150	300	300	450	150	300	300	450	150	250	200	350	100	300	300
Dirt Bin	5,00 €	1	100	400	150	300	300	450	150	300	300	450	150	250	200	350	100	300	300
Side Brushes	2,50 €	2	300	700	200	600	600	800	200	600	600	800	200	500	600	800	300	600	600
Central Brush	5,00 €	1	400	700	450	300	100	550	250	300	400	650	350	250	0	350	100	300	400
Other Vacuum Cleaner Accessories	3,00 €	1	200	500	250	300	200	450	150	300	400	550	250	250	200	450	200	300	200
Average Stock & Order Amount				**225**		**€ 54.800,00**		**204**		**€ 53.800,00**		**211**		**€ 38.500,00**		**150**		**€ 58.400,00**	

October

Components	Cost per Component	Component per product	Minimum Order	Week 40				Week 41				Week 42				Week 43				Week 44			
				MPS Week 40		MPS Next Week		MPS Week 41		MPS Next Week		MPS Week 42		MPS Next Week		MPS Week 43		MPS Next Week		MPS Week 44		MPS Next Week	
				300		300		300		300		300		300		300		300		300		300	
				Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week
Engine	12,00 €	1	100	400	100	300	300	400	100	300	300	400	100	300	300	400	100	300	300	400	100	300	300
Wheels	1,00 €	4	200	1300	100	1200	1200	1300	100	1200	1200	1300	100	1200	1200	1300	100	1200	1200	1300	100	1200	1200
Frame	7,00 €	1	300	600	300	300	300	600	300	300	300	600	300	300	300	600	300	300	300	600	300	300	300
Sensor	10,00 €	8	400	2500	100	2400	2400	2500	100	2400	2400	2500	100	2400	2400	2500	100	2400	2400	2500	100	2400	2400
Body	13,00 €	1	500	600	300	300	500	800	500	300	100	600	300	300	500	800	500	300	100	600	300	300	500
Battery	7,00 €	1	400	500	200	300	400	600	300	300	400	700	400	300	0	400	100	300	400	500	200	300	400
Power Supply	15,00 €	1	100	400	100	300	300	400	100	300	300	400	100	300	300	400	100	300	300	400	100	300	300
Other mechanical components	15,00 €	1	300	600	300	300	300	600	300	300	300	600	300	300	300	600	300	300	300	600	300	300	300
Other Electronic components	8,00 €	1	100	400	100	300	300	400	100	300	300	400	100	300	300	400	100	300	300	400	100	300	300
Vacuum Cleaner Engine	4,00 €	1	100	400	100	300	300	400	100	300	300	400	100	300	300	400	100	300	300	400	100	300	300
Dirt Bin	5,00 €	1	100	400	100	300	300	400	100	300	300	400	100	300	300	400	100	300	300	400	100	300	300
Side Brushes	2,50 €	2	300	900	300	600	600	900	300	600	600	900	300	600	600	900	300	600	600	900	300	600	600
Central Brush	5,00 €	1	400	500	200	300	400	600	300	300	400	700	400	300	0	400	100	300	400	500	200	300	400
Other Vacuum Cleaner Accessories	3,00 €	1	200	400	100	300	400	500	200	300	200	400	100	300	400	500	200	300	200	400	100	300	400
Average Stock & Order Amount				**171**		**€ 59.000,00**		**207**		**€ 53.200,00**		**200**		**€ 54.200,00**		**179**		**€ 53.200,00**		**171**		**€ 59.000,00**	

November

Components	Cost per Component	Component per product	Minimum Order	Week 45				Week 46				Week 47				Week 48			
				MPS Week 45		MPS Next Week		MPS Week 46		MPS Next Week		MPS Week 47		MPS Next Week		MPS Week 48		MPS Next Week	
				300		250		250		250		250		300		300		300	
				Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week
Engine	12,00 €	1	100	400	100	250	300	400	150	250	200	350	100	300	300	400	100	300	300
Wheels	1,00 €	4	200	1300	100	1000	1000	1100	100	1000	1000	1100	100	1200	1200	1300	100	1200	1200
Frame	7,00 €	1	300	600	300	250	300	600	350	250	0	350	100	300	300	400	100	300	300
Sensor	10,00 €	8	400	2500	100	2000	2000	2100	100	2000	2000	2100	100	2400	2400	2500	100	2400	2400
Body	13,00 €	1	500	800	500	250	100	600	350	250	0	350	100	300	500	600	300	300	500
Battery	7,00 €	1	400	600	300	250	400	700	450	250	100	550	300	300	400	700	400	300	0
Power Supply	15,00 €	1	100	400	100	250	300	400	150	250	200	350	100	300	300	400	100	300	300
Other mechanical components	15,00 €	1	300	600	300	250	300	600	350	250	0	350	100	300	300	400	100	300	300
Other Electronic components	8,00 €	1	100	400	100	250	300	400	150	250	200	350	100	300	300	400	100	300	300
Vacuum Cleaner Engine	4,00 €	1	100	400	100	250	300	400	150	250	200	350	100	300	300	400	100	300	300
Dirt Bin	5,00 €	1	100	400	100	250	300	400	150	250	200	350	100	300	300	400	100	300	300
Side Brushes	2,50 €	2	300	900	300	500	300	600	100	500	600	700	200	600	600	800	200	600	600
Central Brush	5,00 €	1	400	600	300	250	400	700	450	250	100	550	300	300	400	700	400	300	0
Other Vacuum Cleaner Accessories	3,00 €	1	200	500	200	250	200	400	150	250	200	350	100	300	400	500	200	300	200
Average Stock & Order Amount				**207**		**€ 48.250,00**		**225**		**€ 33.100,00**		**136**		**€ 59.000,00**		**171**		**€ 53.600,00**	

December

Components	Cost per Component	Component per product	Minimum Order	Week 49				Week 50				Week 51				Week 52			
				MPS Week 49		MPS Next Week		MPS Week 50		MPS Next Week		MPS Week 51		MPS Next Week		MPS Week 52		MPS Next Week	
				300		150		150		50		50		300		300			
				Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week
Engine	12,00 €	1	100	400	100	150	200	300	150	50	0	150	100	300	300	400	100	0	0
Wheels	1,00 €	4	200	1300	100	600	600	700	100	200	200	300	100	1200	1200	1300	100	0	0
Frame	7,00 €	1	300	400	100	150	300	400	250	50	100	350	300	300	300	600	300	0	0
Sensor	10,00 €	8	400	2500	100	1200	1200	1300	100	400	400	500	100	2400	2400	2500	100	0	0
Body	13,00 €	1	500	800	500	150	100	600	450	50	100	550	500	300	100	600	300	0	0
Battery	7,00 €	1	400	400	100	150	400	500	350	50	100	450	400	300	0	400	100	0	0
Power Supply	15,00 €	1	100	400	100	150	200	300	150	50	0	150	100	300	300	400	100	0	0
Other mechanical components	15,00 €	1	300	400	100	150	300	400	250	50	100	350	300	300	300	600	300	0	0
Other Electronic components	8,00 €	1	100	400	100	150	200	300	150	50	0	150	100	300	300	400	100	0	0
Vacuum Cleaner Engine	4,00 €	1	100	400	100	150	200	300	150	50	0	150	100	300	300	400	100	0	0
Dirt Bin	5,00 €	1	100	400	100	150	200	300	150	50	0	150	100	300	300	400	100	0	0
Side Brushes	2,50 €	2	300	800	200	300	300	500	200	100	0	200	100	600	600	700	100	0	0
Central Brush	5,00 €	1	400	400	100	150	400	500	350	50	100	450	400	300	0	400	100	0	0
Other Vacuum Cleaner Accessories	3,00 €	1	200	400	100	150	200	300	150	50	0	150	100	300	400	500	200	0	0
Average Stock & Order Amount				**136**		**€ 35.450,00**		**211**		**€ 8.900,00**		**200**		**€ 49.000,00**		**150**		**€ 0,00**	

Master Production Scheduling: Molly S

I period

Month	January					February				March				April			
Week	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
MPS	200	200	200	200	200	250	250	250	250	250	250	250	250	250	250	250	250	200

II Period

Month	May				June					July					August			
Week	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	
MPS	200	200	300	200	300	200	200	200	200	200	200	150	150	200	0	200	200	

III Period

Month	September				October					November					December			
Week	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	
MPS	300	200	200	200	250	200	250	250	250	250	250	250	250	250	100	50	250	

Information

Security Stock	100

January

Components	Cost per Component	Component per product	Minimum Order	Week 1				Week 2				Week 3				Week 4				Week 5			
				MPS Week 1		MPS Next Week		MPS Week 2		MPS Next Week		MPS Week 3		MPS Next Week		MPS Week 4		MPS Next Week		MPS Week 5		MPS Next Week	
				200		200		200		200		200		200		200		200		200		250	
				Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week
Engine	18,00 €	1	100	500	300	200	0	300	100	200	200	300	100	200	200	300	100	200	200	300	100	250	300
Wheels	1,00 €	4	200	2000	1200	800	100	1300	500	800	400	900	100	800	800	900	100	800	800	900	100	1000	1000
Frame	10,00 €	1	300	500	300	200	0	300	100	200	300	400	200	200	300	500	300	200	0	300	100	250	300
Sensor	15,00 €	8	400	4000	2400	1600	100	2500	900	1600	800	1700	100	1600	1600	1700	100	1600	1600	1700	100	2000	2000
Body	15,00 €	1	500	500	300	200	0	300	100	200	500	600	400	200	100	500	300	200	0	300	100	250	500
Battery	10,00 €	1	400	500	300	200	0	300	100	200	400	500	300	200	0	300	100	200	400	500	300	250	400
Power Supply	15,00 €	1	100	500	300	200	0	300	100	200	200	300	100	200	200	300	100	200	200	300	100	250	300
Other mechanical components	20,00 €	1	300	500	300	200	0	300	100	200	300	400	200	200	300	500	300	200	0	300	100	250	300
Other Electronic	10,00 €	1	100	500	300	200	0	300	100	200	200	300	100	200	200	300	100	200	200	300	100	250	300
Mop Engine	4,00 €	1	100	500	300	200	0	300	100	200	200	300	100	200	200	300	100	200	200	300	100	250	300
Water Tank	4,00 €	1	100	500	300	200	0	300	100	200	200	300	100	200	200	300	100	200	200	300	100	250	300
Mop Cloth	2,00 €	1	300	1000	800	200	100	900	700	200	100	800	600	200	100	700	500	200	100	600	400	250	100
Other Mop Accessories	2,50 €	1	200	400	200	200	200	400	200	200	200	400	200	200	200	400	200	200	200	400	200	250	200
Average Stock & Order Amount				**562**		**€ 2.300,00**		**246**		**€ 43.800,00**		**200**		**€ 46.200,00**		**185**		**€ 39.700,00**		**146**		**€ 67.500,00**	

February

Components	Cost per Component	Component per product	Minimum Order	Week 6				Week 7				Week 8				Week 9			
				MPS Week 6		MPS Next Week		MPS Week 7		MPS Next Week		MPS Week 8		MPS Next Week		MPS Week 9		MPS Next Week	
				250		250		250		250		250		250		250		250	
				Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week
Engine	18,00 €	1	100	400	150	250	200	350	100	250	300	400	150	250	200	350	100	250	300
Wheels	1,00 €	4	200	1100	100	1000	1000	1100	100	1000	1000	1100	100	1000	1000	1100	100	1000	1000
Frame	10,00 €	1	300	400	150	250	300	450	200	250	300	500	250	250	300	550	300	250	300
Sensor	15,00 €	8	400	2100	100	2000	2000	2100	100	2000	2000	2100	100	2000	2000	2100	100	2000	2000
Body	15,00 €	1	500	600	350	250	0	350	100	250	500	600	350	250	0	350	100	250	500
Battery	10,00 €	1	400	700	450	250	100	550	300	250	400	700	450	250	100	550	300	250	400
Power Supply	15,00 €	1	100	400	150	250	200	350	100	250	300	400	150	250	200	350	100	250	300
Other mechanical components	20,00 €	1	300	400	150	250	300	450	200	250	300	500	250	250	300	550	300	250	300
Other Electronic components	10,00 €	1	100	400	150	250	200	350	100	250	300	400	150	250	200	350	100	250	300
Mop Engine	4,00 €	1	100	400	150	250	200	350	100	250	300	400	150	250	200	350	100	250	300
Water Tank	4,00 €	1	100	400	150	250	200	350	100	250	300	400	150	250	200	350	100	250	300
Mop Cloth	2,00 €	1	300	500	250	250	300	550	300	250	300	600	350	250	0	350	100	250	300
Other Mop Accessories	2,50 €	1	200	400	150	250	200	350	100	250	400	500	250	250	200	450	200	250	200
Average Stock & Order Amount				**188**		**€ 52.300,00**		**146**		**€ 68.400,00**		**219**		**€ 51.700,00**		**154**		**€ 67.900,00**	

March

Components	Cost per Component	Component per product	Minimum Order	Week 10				Week 11				Week 12				Week 13			
				MPS Week 10		MPS Next Week		MPS Week 11		MPS Next Week		MPS Week 12		MPS Next Week		MPS Week 13		MPS Next Week	
				250		250		250		250		250		250		250		250	
				Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week
Engine	18,00 €	1	100	400	150	250	200	350	100	250	300	400	150	250	200	350	100	250	300
Wheels	1,00 €	4	200	1100	100	1000	1000	1100	100	1000	1000	1100	100	1000	1000	1100	100	1000	1000
Frame	10,00 €	1	300	600	350	250	0	350	100	250	300	400	150	250	300	450	200	250	300
Sensor	15,00 €	8	400	2100	100	2000	2000	2100	100	2000	2000	2100	100	2000	2000	2100	100	2000	2000
Body	15,00 €	1	500	600	350	250	0	350	100	250	500	600	350	250	0	350	100	250	500
Battery	10,00 €	1	400	700	450	250	100	550	300	250	400	700	450	250	100	550	300	250	400
Power Supply	15,00 €	1	100	400	150	250	200	350	100	250	300	400	150	250	200	350	100	250	300
Other mechanical components	20,00 €	1	300	600	350	250	0	350	100	250	300	400	150	250	300	450	200	250	300
Other Electronic components	10,00 €	1	100	400	150	250	200	350	100	250	300	400	150	250	200	350	100	250	300
Mop Engine	4,00 €	1	100	400	150	250	200	350	100	250	300	400	150	250	200	350	100	250	300
Water Tank	4,00 €	1	100	400	150	250	200	350	100	250	300	400	150	250	200	350	100	250	300
Mop Cloth	2,00 €	1	300	400	150	250	300	450	200	250	300	500	250	250	300	550	300	250	300
Other Mop Accessories	2,50 €	1	200	400	150	250	200	350	100	250	400	500	250	250	200	450	200	250	200
Average Stock & Order Amount				**212**		**€ 43.300,00**		**123**		**€ 68.400,00**		**196**		**€ 52.300,00**		**154**		**€ 67.900,00**	

April

Components	Cost per Component	Component per product	Minimum Order	Week 14				Week 15				Week 16				Week 17				Week 18			
				MPS Week 14		MPS Next Week		MPS Week 15		MPS Next Week		MPS Week 16		MPS Next Week		MPS Week 17		MPS Next Week		MPS Week 18		MPS Next Week	
				250		250		250		250		250		250		250		200		200		200	
				Start Week Inventory	End Week Inventory Projected	Components Needed for	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for	To order for next Week

Components	Cost per Component	Component per product	Minimum Order	Week 14				Week 15				Week 16				Week 17				Week 18			
				MPS Week 14		MPS Next Week		MPS Week 15		MPS Next Week		MPS Week 16		MPS Next Week		MPS Week 17		MPS Next Week		MPS Week 18		MPS Next Week	
				250		250		250		250		250		250		250		200		200		200	
				Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week.	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week.	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week.	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week.	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week
Wheels	1,00 €	4	200	1100	100	1000	1000	1100	100	1000	1000	1100	100	1000	1000	1100	100	800	800	900	100	800	800
Frame	10,00 €	1	300	500	250	250	300	550	300	250	300	600	350	250	0	350	100	200	300	400	200	200	300
Sensor	15,00 €	8	400	2100	100	2000	2000	2100	100	2000	2000	2100	100	2000	2000	2100	100	1600	1600	1700	100	1600	1600
Body	15,00 €	1	500	600	350	250	0	350	100	250	500	600	350	250	0	350	100	200	500	600	400	200	100
Battery	10,00 €	1	400	700	450	250	100	550	300	250	400	700	450	250	100	550	300	200	0	300	100	200	400
Power Supply	15,00 €	1	100	400	150	250	200	350	100	250	300	400	150	250	200	350	100	200	200	300	100	200	200
Other mechanical components	20,00 €	1	300	500	250	250	300	550	300	250	300	600	350	250	0	350	100	200	300	400	200	200	300
Other Electronic components	10,00 €	1	100	400	150	250	200	350	100	250	300	400	150	250	200	350	100	200	200	300	100	200	200
Mop Engine	4,00 €	1	100	400	150	250	200	350	100	250	300	400	150	250	200	350	100	200	200	300	100	200	200
Water Tank	4,00 €	1	100	400	150	250	200	350	100	250	300	400	150	250	200	350	100	200	200	300	100	200	200
Mop Cloth	2,00 €	1	300	600	350	250	0	350	100	250	300	400	150	250	300	450	200	200	300	500	300	200	0
Other Mop Accessories	2,50 €	1	200	400	150	250	200	350	100	250	400	500	250	250	200	450	200	200	200	400	200	200	200
Average Stock & Order Amount				**212**		**€ 51.700,00**		**146**		**€ 68.400,00**		**219**		**€ 43.300,00**		**131**		**€ 52.600,00**		**162**		**€ 50.000,00**	

May

Components	Cost per Component	Component per product	Minimum Order	Week 19				Week 20				Week 21				Week 22			
				MPS Week 19		MPS Next Week		MPS Week 20		MPS Next Week		MPS Week 21		MPS Next Week		MPS Week 22		MPS Next Week	
				200		200		200		300		300		200		200		300	
				Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week
Engine	18,00 €	1	100	300	100	200	200	300	100	300	300	400	100	200	200	300	100	300	300
Wheels	1,00 €	4	200	900	100	800	800	900	100	1200	1200	1300	100	800	800	900	100	1200	1200
Frame	10,00 €	1	300	500	300	200	0	300	100	300	300	400	100	200	300	400	200	300	300
Sensor	15,00 €	8	400	1700	100	1600	1600	1700	100	2400	2400	2500	100	1600	1600	1700	100	2400	2400
Body	15,00 €	1	500	500	300	200	0	300	100	300	500	600	300	200	0	300	100	300	500
Battery	10,00 €	1	400	500	300	200	0	300	100	300	400	500	200	200	400	600	400	300	0
Power Supply	15,00 €	1	100	300	100	200	200	300	100	300	300	400	100	200	200	300	100	300	300
Other mechanical components	20,00 €	1	300	500	300	200	0	300	100	300	300	400	100	200	300	400	200	300	300
Other Electronic components	10,00 €	1	100	300	100	200	200	300	100	300	300	400	100	200	200	300	100	300	300
Mop Engine	4,00 €	1	100	300	100	200	200	300	100	300	300	400	100	200	200	300	100	300	300
Water Tank	4,00 €	1	100	300	100	200	200	300	100	300	300	400	100	200	200	300	100	300	300
Mop Cloth	2,00 €	1	300	300	100	200	300	400	200	300	300	500	200	200	300	500	300	300	300
Other Mop Accessories	2,50 €	1	200	400	200	200	200	400	200	300	200	400	100	200	200	300	100	300	400
Average Stock & Order Amount				**169**		**€ 36.100,00**		**115**		**€ 74.100,00**		**131**		**€ 49.100,00**		**154**		**€ 70.600,00**	

June

Components	Cost per Component	Component per product	Minimum Order	Week 23				Week 24				Week 25				Week 26			
				MPS Week 23		MPS Next Week		MPS Week 24		MPS Next Week		MPS Week 25		MPS Next Week		MPS Week 26		MPS Next Week	
				300		200		200		200		200		200		200		200	
				Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week
Engine	18,00 €	1	100	400	100	200	200	300	100	200	200	300	100	200	200	300	100	200	200
Wheels	1,00 €	4	200	1300	100	800	800	900	100	800	800	900	100	800	800	900	100	800	800
Frame	10,00 €	1	300	500	200	200	300	500	300	200	0	300	100	200	300	400	200	200	300
Sensor	15,00 €	8	400	2500	100	1600	1600	1700	100	1600	1600	1700	100	1600	1600	1700	100	1600	1600
Body	15,00 €	1	500	600	300	200	0	300	100	200	500	600	400	200	100	500	300	200	0
Battery	10,00 €	1	400	400	100	200	400	500	300	200	0	300	100	200	400	500	300	200	0
Power Supply	15,00 €	1	100	400	100	200	200	300	100	200	200	300	100	200	200	300	100	200	200
Other mechanical components	20,00 €	1	300	500	200	200	300	500	300	200	0	300	100	200	300	400	200	200	300
Other Electronic components	10,00 €	1	100	400	100	200	200	300	100	200	200	300	100	200	200	300	100	200	200
Mop Engine	4,00 €	1	100	400	100	200	200	300	100	200	200	300	100	200	200	300	100	200	200
Water Tank	4,00 €	1	100	400	100	200	200	300	100	200	200	300	100	200	200	300	100	200	200
Mop Cloth	2,00 €	1	300	600	300	200	0	300	100	200	300	400	200	200	300	500	300	200	0
Other Mop Accessories	2,50 €	1	200	500	200	200	200	400	200	200	200	400	200	200	200	400	200	200	200
Average Stock & Order Amount				**154**		**€ 48.500,00**		**154**		**€ 43.600,00**		**138**		**€ 50.600,00**		**169**		**€ 44.500,00**	

July

Components	Cost per Component	Component per product	Minimum Order	Week 27				Week 28				Week 29				Week 30				Week 31			
				MPS Week 27		MPS Next Week		MPS Week 28		MPS Next Week		MPS Week 29		MPS Next Week		MPS Week 30		MPS Next Week		MPS Week 31		MPS Next Week	
				200		200		200		200		200		150		150		150		150		200	
				Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week
Engine	18,00 €	1	100	300	100	200	200	300	100	200	200	300	100	150	200	300	150	150	100	250	100	200	200
Wheels	1,00 €	4	200	900	100	800	800	900	100	800	800	900	100	600	600	700	100	600	600	700	100	800	800
Frame	10,00 €	1	300	500	300	200	0	300	100	200	300	400	200	150	300	500	350	150	100	450	300	200	0
Sensor	15,00 €	8	400	1700	100	1600	1600	1700	100	1600	1600	1700	100	1200	1200	1300	100	1200	1200	1300	100	1600	1600
Body	15,00 €	1	500	300	100	200	500	600	400	200	100	500	300	150	100	400	250	150	0	250	100	200	500
Battery	10,00 €	1	400	300	100	200	400	500	300	200	0	300	100	150	400	500	350	150	100	450	300	200	0
Power Supply	15,00 €	1	100	300	100	200	200	300	100	200	200	300	100	150	200	300	150	150	100	250	100	200	200
Other mechanical components	20,00 €	1	300	500	300	200	0	300	100	200	300	400	200	150	300	500	350	150	100	450	300	200	0
Other Electronic components	10,00 €	1	100	300	100	200	200	300	100	200	200	300	100	150	200	300	150	150	100	250	100	200	200
Mop Engine	4,00 €	1	100	300	100	200	200	300	100	200	200	300	100	150	200	300	150	150	100	250	100	200	200
Water Tank	4,00 €	1	100	300	100	200	200	300	100	200	200	300	100	150	200	300	150	150	100	250	100	200	200
Mop Cloth	2,00 €	1	300	300	100	200	300	400	200	200	300	500	300	150	100	400	250	150	0	250	100	200	300
Other Mop Accessories	2,50 €	1	200	400	200	200	200	400	200	200	200	400	200	150	200	400	250	150	0	250	100	200	200
Average Stock & Order Amount				**138**		**€ 47.600,00**		**154**		**€ 46.600,00**		**154**		**€ 44.000,00**		**212**		**€ 27.700,00**		**146**		**€ 43.600,00**	

August

Components	Cost per Component	Component per product	Minimum Order	Week 32				Week 33				Week 34				Week 35			
				MPS Week 32		MPS Next Week		MPS Week 33		MPS Next Week		MPS Week 34		MPS Next Week		MPS Week 35		MPS Next Week	
				200		0		0		200		200		200		200		300	
				Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week
Engine	18,00 €	1	100	300	100	0	0	100	100	200	200	300	100	200	200	300	100	300	300
Wheels	1,00 €	4	200	900	100	0	0	100	100	800	800	900	100	800	800	900	100	1200	1200
Frame	10,00 €	1	300	300	100	0	0	100	100	200	300	400	200	200	300	500	300	300	300
Sensor	15,00 €	8	400	1700	100	0	0	100	100	1600	1600	1700	100	1600	1600	1700	100	2400	2400
Body	15,00 €	1	500	600	400	0	100	500	500	200	100	600	400	200	100	500	300	300	500
Battery	10,00 €	1	400	300	100	0	0	100	100	200	400	500	300	200	0	300	100	300	400
Power Supply	15,00 €	1	100	300	100	0	0	100	100	200	200	300	100	200	200	300	100	300	300
Other mechanical components	20,00 €	1	300	300	100	0	0	100	100	200	300	400	200	200	300	500	300	300	300
Other Electronic components	10,00 €	1	100	300	100	0	0	100	100	200	200	300	100	200	200	300	100	300	300
Mop Engine	4,00 €	1	100	300	100	0	0	100	100	200	200	300	100	200	200	300	100	300	300
Water Tank	4,00 €	1	100	300	100	0	0	100	100	200	200	300	100	200	200	300	100	300	300
Mop Cloth	2,00 €	1	300	400	200	0	100	300	300	200	0	300	100	200	300	400	200	300	300
Other Mop Accessories	2,50 €	1	200	300	100	0	0	100	100	200	200	300	100	200	200	300	100	300	400
Average Stock & Order Amount				**131**		**€ 1.700,00**		**146**		**€ 50.000,00**		**154**		**€ 46.600,00**		**154**		**€ 74.600,00**	

September

Components	Cost per Component	Component per product	Minimum Order	Week 36				Week 37				Week 38				Week 39			
				MPS Week 36		MPS Next Week		MPS Week 37		MPS Next Week		MPS Week 38		MPS Next Week		MPS Week 39		MPS Next Week	
				300		200		200		200		200		200		200		250	
				Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week
Engine	18,00 €	1	100	400	100	200	200	300	100	200	200	300	100	200	200	300	100	250	300
Wheels	1,00 €	4	200	1300	100	800	800	900	100	800	800	900	100	800	800	900	100	1000	1000
Frame	10,00 €	1	300	600	300	200	0	300	100	200	300	400	200	200	300	500	300	250	300
Sensor	15,00 €	8	400	2500	100	1600	1600	1700	100	1600	1600	1700	100	1600	1600	1700	100	2000	2000
Body	15,00 €	1	500	800	500	200	100	600	400	200	100	500	300	200	0	300	100	250	500
Battery	10,00 €	1	400	500	200	200	400	600	400	200	100	500	300	200	0	300	100	250	400
Power Supply	15,00 €	1	100	400	100	200	200	300	100	200	200	300	100	200	200	300	100	250	300
Other mechanical components	20,00 €	1	300	600	300	200	0	300	100	200	300	400	200	200	300	500	300	250	300
Other Electronic components	10,00 €	1	100	400	100	200	200	300	100	200	200	300	100	200	200	300	100	250	300
Mop Engine	4,00 €	1	100	400	100	200	200	300	100	200	200	300	100	200	200	300	100	250	300
Water Tank	4,00 €	1	100	400	100	200	200	300	100	200	200	300	100	200	200	300	100	250	300
Mop Cloth	2,00 €	1	300	500	200	200	300	500	300	200	0	300	100	200	300	400	200	250	300
Other Mop Accessories	2,50 €	1	200	500	200	200	200	400	200	200	200	400	200	200	200	400	200	250	200
Average Stock & Order Amount				**185**		**€ 41.600,00**		**169**		**€ 47.000,00**		**154**		**€ 45.100,00**		**146**		**€ 67.900,00**	

October

Components	Cost per Component	Component per product	Minimum Order	Week 40				Week 41				Week 42				Week 43				Week 44			
				MPS Week 40		MPS Next Week		MPS Week 41		MPS Next Week		MPS Week 42		MPS Next Week		MPS Week 43		MPS Next Week		MPS Week 44		MPS Next Week	
				250		200		200		250		250		250		250		250		250		250	
				Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week
Engine	18,00 €	1	100	400	150	200	200	350	150	250	200	350	100	250	300	400	150	250	200	350	100	250	300
Wheels	1,00 €	4	200	1100	100	800	800	900	100	1000	1000	1100	100	1000	1000	1100	100	1000	1000	1100	100	1000	1000
Frame	10,00 €	1	300	600	350	200	100	450	250	250	300	550	300	250	300	600	350	250	0	350	100	250	300
Sensor	15,00 €	8	400	2100	100	1600	1600	1700	100	2000	2000	2100	100	2000	2000	2100	100	2000	2000	2100	100	2000	2000
Body	15,00 €	1	500	600	350	200	100	450	250	250	500	750	500	250	100	600	350	250	0	350	100	250	500
Battery	10,00 €	1	400	500	250	200	400	650	450	250	100	550	300	250	400	700	450	250	100	550	300	250	400
Power Supply	15,00 €	1	100	400	150	200	200	350	150	250	200	350	100	250	300	400	150	250	200	350	100	250	300
Other mechanical components	20,00 €	1	300	600	350	200	100	450	250	250	300	550	300	250	300	600	350	250	0	350	100	250	300
Other Electronic components	10,00 €	1	100	400	150	200	200	350	150	250	200	350	100	250	300	400	150	250	200	350	100	250	300
Mop Engine	4,00 €	1	100	400	150	200	200	350	150	250	200	350	100	250	300	400	150	250	200	350	100	250	300
Water Tank	4,00 €	1	100	400	150	200	200	350	150	250	200	350	100	250	300	400	150	250	200	350	100	250	300
Mop Cloth	2,00 €	1	300	500	250	200	300	550	350	250	0	350	100	250	300	400	150	250	300	450	200	250	300
Other Mop Accessories	2,50 €	1	200	400	150	200	200	350	150	250	200	350	100	250	400	500	250	250	200	450	200	250	200
Average Stock & Order Amount				**204**		**€ 44.600,00**		**204**		**€ 59.200,00**		**177**		**€ 62.400,00**		**219**		**€ 43.300,00**		**131**		**€ 67.900,00**	

November

Components	Cost per Component	Component per product	Minimum Order	Week 45				Week 46				Week 47				Week 48			
				MPS Week 45		MPS Next Week		MPS Week 46		MPS Next Week		MPS Week 47		MPS Next Week		MPS Week 48		MPS Next Week	
				250		250		250		250		250		250		250		250	
				Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week
Engine	18,00 €	1	100	400	150	250	200	350	100	250	300	400	150	250	200	350	100	250	300
Wheels	1,00 €	4	200	1100	100	1000	1000	1100	100	1000	1000	1100	100	1000	1000	1100	100	1000	1000
Frame	10,00 €	1	300	400	150	250	300	450	200	250	300	500	250	250	300	550	300	250	300
Sensor	15,00 €	8	400	2100	100	2000	2000	2100	100	2000	2000	2100	100	2000	2000	2100	100	2000	2000
Body	15,00 €	1	500	600	350	250	0	350	100	250	500	600	350	250	0	350	100	250	500
Battery	10,00 €	1	400	700	450	250	100	550	300	250	400	700	450	250	100	550	300	250	400
Power Supply	15,00 €	1	100	400	150	250	200	350	100	250	300	400	150	250	200	350	100	250	300
Other mechanical components	20,00 €	1	300	400	150	250	300	450	200	250	300	500	250	250	300	550	300	250	300
Other Electronic components	10,00 €	1	100	400	150	250	200	350	100	250	300	400	150	250	200	350	100	250	300
Mop Engine	4,00 €	1	100	400	150	250	200	350	100	250	300	400	150	250	200	350	100	250	300
Water Tank	4,00 €	1	100	400	150	250	200	350	100	250	300	400	150	250	200	350	100	250	300
Mop Cloth	2,00 €	1	300	500	250	250	300	550	300	250	300	600	350	250	0	350	100	250	300
Other Mop Accessories	2,50 €	1	200	400	150	250	200	350	100	250	400	500	250	250	200	450	200	250	200
Average Stock & Order Amount				**188**		**€ 52.300,00**		**146**		**€ 68.400,00**		**219**		**€ 51.700,00**		**154**		**€ 67.900,00**	

December

Components	Cost per Component	Component per product	Minimum Order	Week 49				Week 50				Week 51				Week 52			
				MPS Week 49		MPS Next Week		MPS Week 50		MPS Next Week		MPS Week 51		MPS Next Week		MPS Week 52		MPS Next Week	
				250		100		100		50		50		250		250			
				Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week	Start Week Inventory	End Week Inventory Projected	Components Needed for Next Week	To order for next Week
Engine	18,00 €	1	100	400	150	100	100	250	150	50	0	150	100	250	300	400	150	0	0
Wheels	1,00 €	4	200	1100	100	400	400	500	100	200	200	300	100	1000	1000	1100	100	0	0
Frame	10,00 €	1	300	600	350	100	100	450	350	50	100	450	400	250	100	500	250	0	0
Sensor	15,00 €	8	400	2100	100	800	800	900	100	400	400	500	100	2000	2000	2100	100	0	0
Body	15,00 €	1	500	600	350	100	100	450	350	50	100	450	400	250	100	500	250	0	0
Battery	10,00 €	1	400	700	450	100	100	550	450	50	100	550	500	250	100	600	350	0	0
Power Supply	15,00 €	1	100	400	150	100	100	250	150	50	0	150	100	250	300	400	150	0	0
	20,00 €	1	300	600	350	100	100	450	350	50	100	450	400	250	100	500	250	0	0
Other Electronic components	10,00 €	1	100	400	150	100	100	250	150	50	0	150	100	250	300	400	150	0	0
Mop Engine	4,00 €	1	100	400	150	100	100	250	150	50	0	150	100	250	300	400	150	0	0
Water Tank	4,00 €	1	100	400	150	100	100	250	150	50	0	150	100	250	300	400	150	0	0
Mop Cloth	2,00 €	1	300	400	150	100	300	450	350	50	100	450	400	250	100	500	250	0	0
Other Mop Accessories	2,50 €	1	200	400	150	100	200	350	250	50	100	350	300	250	200	500	250	0	0
Average Stock & Order Amount				**212**		**€ 24.100,00**		**235**		**€ 12.150,00**		**238**		**€ 52.500,00**		**196**		**€ 0,00**	