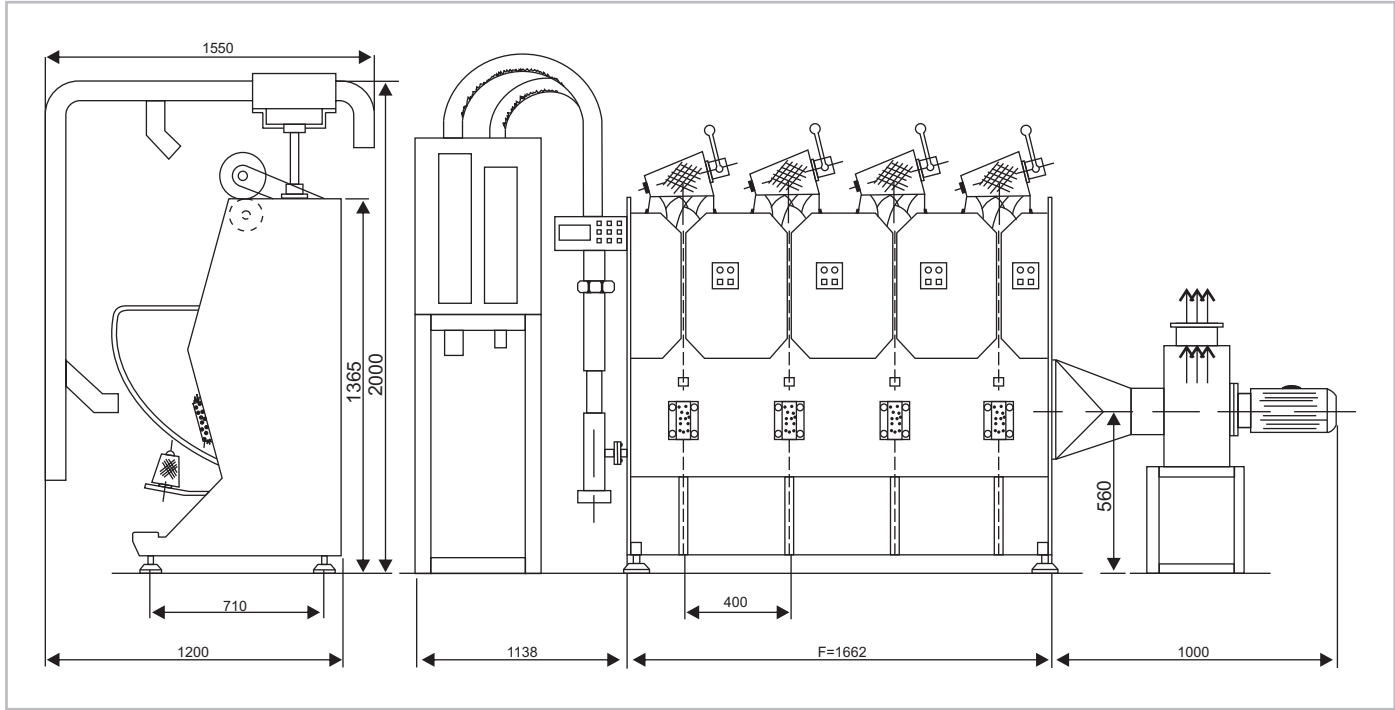




GSI

Technical Specification

MACHINE MODEL	GSI
NO. OF WINDING HEADS	4 TO 40 (MULTIPLES OF 4)
MACHINE ARRANGEMENT	SINGLE SIDED
SPINDLE GAUGE	400 mm
TYPE OF YARN	COTTON, RAYON
TYPE OF WINDING	RANDOM WINDING
WINDING SPEED	400 TO 1000 MPM
SUPPLY PACKAGE TYPE	ALL TYPE (OPTIONAL)
PRODUCE PACKAGE TYPE	CYLINDRICAL, CONICAL (4°20')
PRODUCE PACKAGE DIA	MAX Ø 210
PRODUCE PACKAGE TRAVERSE	148 mm TRAVERSE (200 mm optional)
POWER	0.5 HP/SPINDLE (200 WATTS)
SPINDLE DRIVE	INDIVIDUAL
GAS CONSUMPTION	LPG 70 GMS / SPINDLE / HR



Machine Dimensions

Net weight in kg.	500	1000	1500	2000	2500	3000	3500	4000	4500	5000
Connected load (H.P.)	2	4	6	8	10	12	14	16	18	20
Height in mm	1365									
Width in mm	1200									
Length (F-1662 mm)	3800	5462	7124	8786	10448	12110	13772	15434	17096	18758
No. of Spindle	4	8	12	16	20	24	28	32	36	40

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peass schlafhorst

GSI

Yarn Singeing Machine



GSI Yarn Singeing Machine

For singeing single yarns, twisted high grade yarns for voiles, poplins, mercerized knitting yarns,

The PEASS individually driven HIGH SPEED GAS SINGEING MACHINE assures high customer benefits and top qualities. Thanks to the optimized yarn path, even the finest yarn counts or single yarn can be processed to the best effect. The individual motor controlled by A.C. inverter drives ensures trouble free high-speed performance of the machine.

Visual display of yarn break and full doff

Produce package

Tail end device

Suction funnel cores

Yarn guide

Flame protection cores

Suction box

Burner housing

Tension device

Spark protection sheet

Pneumatic yarn inlet device

Feed package

Salient Features

- Grooved Aluminium Black Anodized drums with hardened surface, dynamically balanced to the highest degree of accuracy
- Each drum is driven by individual motor which is controlled by individual inverter of 'KEB' make, Germany
- Double Arm spindleless cradle with adopters running on 5895 ball bearings for conicity of 0'0' to 4'20' suitable for 148 mm traverse length
- PS- METTLER Modified yarn tension device, tension of yarn controlled by twin disc and multi-colour weights, with ceramic guide before and after the tension discs for proper yarn tension control
- Automatic and pneumatically controlled package starting device combined with yarn introducing device into the gas burner just by the press of buttons
- Spring controlled counter-weight system for the produce package for maintaining perfect package shape
- Electronic yarn sensors for detecting the presence of yarn. In case, the yarn breaks or runs out, the sensor promptly gives signal to the inverter for stopping the spindle instantly and also alerts the operator through "LED". Hence efficient and fool proof stop motion
- Efficient anti-ribboning device
- Stainless steel Gas burner with housing, gas connection pipes to individual gas burner with adjusting knobs
- Mixing chamber for air/gas mixture and distribution pipes throughout the length of the machine with proper loops for even distribution of air/gas mixture
- Spark protection sheet with ceramic eye-let below the tension device assembly
- Feeding creel with universal supply holder for accommodating cones/cheeses of standard size
- Slit Yarn Cleaners serving as layer catchers on tension device assembly
- One set of air and gas flow meters with control valve for controlling the volumetric flow of air and gas
- Regenerative type air blower for the supply of air to be mixed with gas
- Full fledged auto length controller system with following advanced features:
 - CPU with higher processing speed
 - Liquid Crystal Display Unit with advanced features
 - Shift utility
 - Report for maximum 50 shifts
 - Data feeding with password protection
- Auto stop motion for full doff with visual display

Optional Features

- Tail end device for partially singed yarn
- Mechanical yarn cutter

