CDAC CHENNAI

MCA/CMM Reporting

Op.Name: Unknown	**Evaluation:**	**Date:** 20/05/2025 **Page:**1/4
Part no: 5752	from 2025-07-05 00:00:00	**Drw.No:** DLG/MCDJ/DISK
Part descr: DISK	to 2025-07-05 00:00:00	SEPERATOR/01
SEPERATOR		**Mach.Descr:** Unknown
Char.No: 1	**OP no:** Unknown	**Subgr.size:** Unknown
Char.Class: Unknown	**Char.Descr:** O.D	**Subgr.type:** Unknown
Nom.val: 88.500	**Calc.Tol:** 1.000	
Char.Remark:	**Unit:**	
	USL: 89.000	
	LSL: 88.000	

Value Chart for O.D
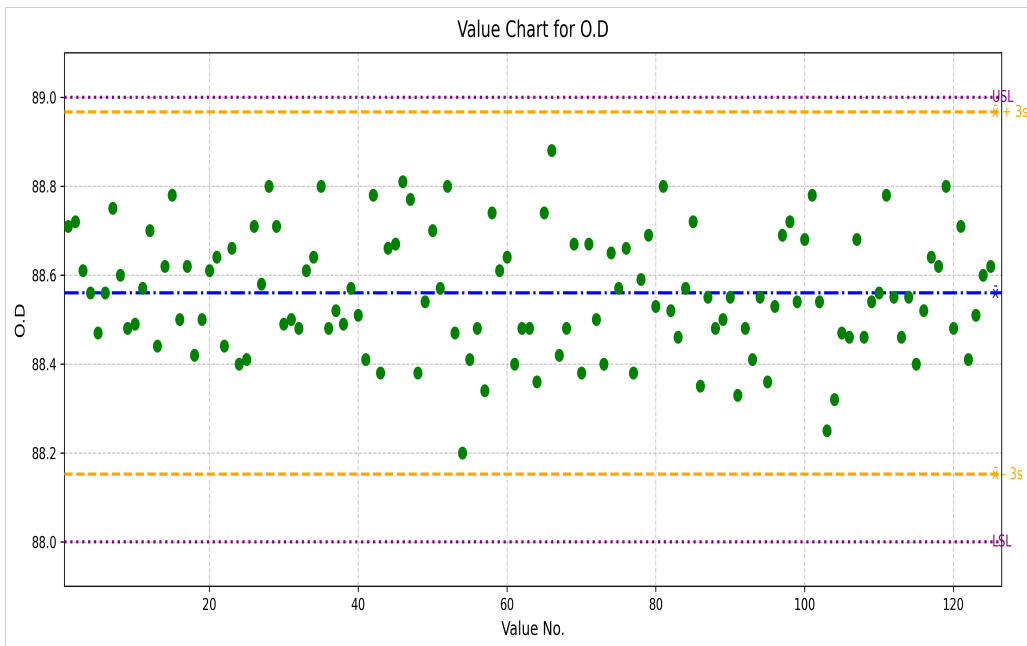
Drawing Values
Tm = 88.500
LSL = 88.000
USL = 89.000
T = 1.000
Char.Class = Unknown

Collected Values
$\tilde{x}$ = 88.5500
x_{min} = 88.200
x_{max} = 88.880
R = 0.680
n_{eff} = 125
n_{tot} = 125
n = 125
n_{USL} = 0
n_{LSL} = 0

Statistics
$\bar{x}$ = 88.55952
s = 0.136
$x_{50\%}$ = 88.55000
$x_{0.135\%}$ = 88.20837
$x_{99.865\%}$ = 88.86828
$6s$ = 0.81455
p = 100.00000%
P_{USL} = 0.00000%
P_{LSL} = 0.00000%

Anderson-Darling test: H0 : subgroup is derived from a Normal distribution

p value: 0.1148

Distribution: Normal Distribution

Calculation Methods: M2,1 percentile (0.135%-50%-99.865%)

Potential Capability Index (A) Cp: 1.07 <= 1.23 <= 1.38 ↓

Critical Capability Index (A) Cpk: 0.86 <= 1.08 <= 1.30 ↓

Demand Potential Capability Index (A) Cp target: 1.33
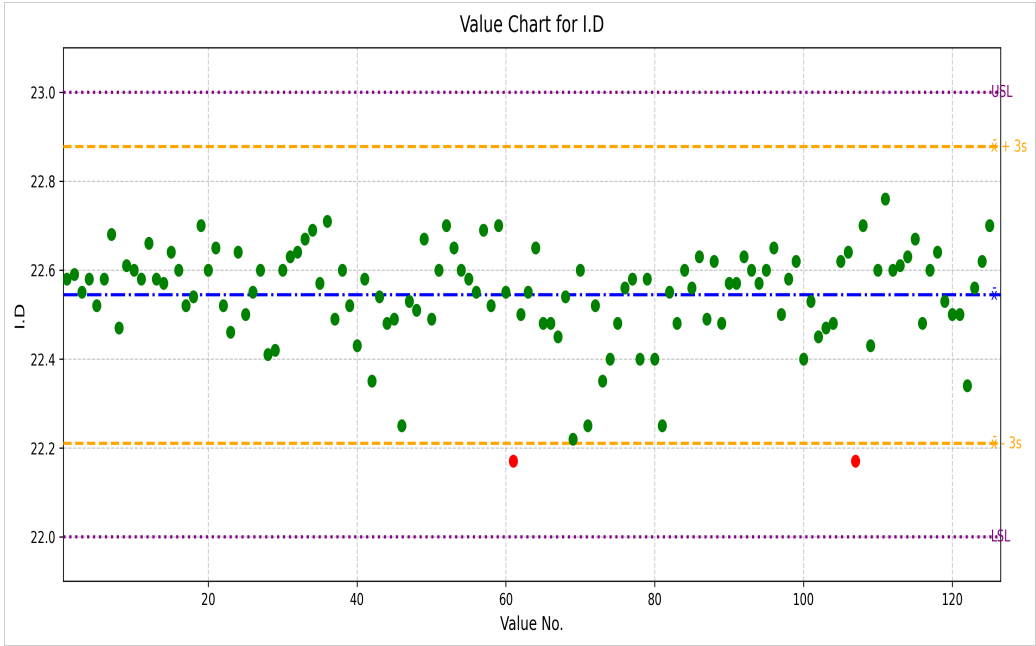
Demand Critical Capability Index (A) Cpk target: 1.33

Status: Requirements were not met (Cp, Cpk, LV) ↓

MCA/CMM Reporting

Op.Name: Unknown **Part no:** 5752 **Part descr:** DISK SEPERATOR **Char.No:** 2 **Char.Class:** Unknown **Nom.val:** 22.500 **Char.Remark:**	**Evaluation:** from 2025-07-05 00:00:00 to 2025-07-05 00:00:00 **OP no:** Unknown **Char.Descr:** I.D **Calc.Tol:** 1.000 **Unit:** **USL:** 23.000 **LSL:** 22.000	**Date:** 20/05/2025 **Page:**2/4 **Drw.No:** DLG/MCDJ/DISK SEPERATOR/01 **Mach.Descr:** Unknown **Subgr.size:** Unknown **Subgr.type:** Unknown

Value Chart for I.D

Drawing Values
Tm = 22.500
LSL = 22.000
USL = 23.000
T = 1.000
$Char.Class$ = Unknown

Collected Values
$\tilde{x}$ = 22.5700
x_{min} = 22.170
x_{max} = 22.760
R = 0.590
n_{eff} = 125
n_{tot} = 125
n = 125
n_{USL} = 0
n_{LSL} = 0

Statistics
$\bar{x}$ = 22.54416
s = 0.111
$x_{50\%}$ = 22.57000
$x_{0.135\%}$ = 22.17000
$x_{99.865\%}$ = 22.75163
$6s$ = 0.66762
p = 100.00000%
P_{USL} = 0.00000%
P_{LSL} = 0.00000%

Anderson-Darling test: H1 : subgroup is not derived from a Normal distribution

p value: 0.0000

Distribution: Weibull Distribution

Calculation Methods: M2,1 percentile (0.135%-50%-99.865%)

Potential Capability Index (A) Cp: 1.31 <= 1.50 <= 1.68 ↑

Critical Capability Index (A) Cpk: 1.12 <= 1.37 <= 1.61 ↑
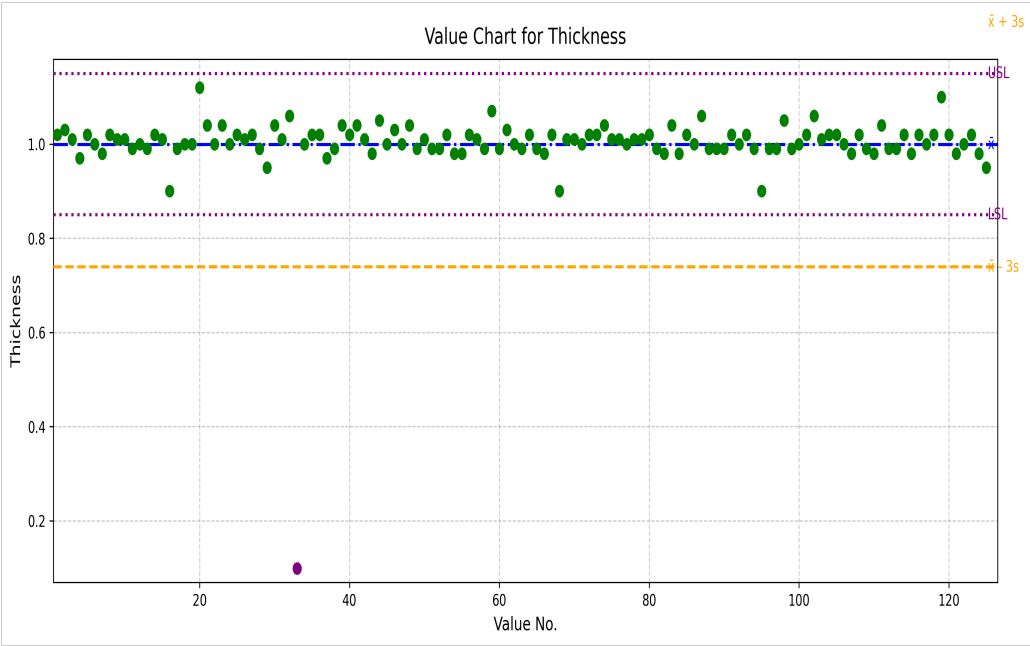
Demand Potential Capability Index (A) Cp target: 1.33

Demand Critical Capability Index (A) Cpk target: 1.33

Status: Requirements were met (Cp, Cpk, LV) ↑

MCA/CMM Reporting

Op.Name: Unknown **Part no:** 5752 **Part descr:** DISK SEPERATOR **Char.No:** 3 **Char.Class:** Unknown **Nom.val:** 1.000 **Char.Remark:**	**Evaluation:** from 2025-07-05 00:00:00 to 2025-07-05 00:00:00 **OP no:** Unknown **Char.Descr:** Thickness **Calc.Tol:** 0.300 **Unit:** **USL:** 1.150 **LSL:** 0.850	**Date:** 20/05/2025 **Page:**3/4 **Drw.No:** DLG/MCDJ/DISK SEPERATOR/01 **Mach.Descr:** Unknown **Subgr.size:** Unknown **Subgr.type:** Unknown

Value Chart for Thickness

Drawing Values
T_m = 1.000
LSL = 0.850
USL = 1.150
T = 0.300
Char.Class = Unknown

Collected Values
$\tilde{x}$ = 1.0100
x_{min} = 0.099
x_{max} = 1.120
R = 1.021
n_{eff} = 125
n_{tot} = 125
n = 124
n_{USL} = 0
n_{LSL} = 1

Statistics
$\bar{x}$ = 0.99927
s = 0.087
$x_{50\%}$ = 1.01000
$x_{0.135\%}$ = 0.23309
$x_{99.865\%}$ = 1.11665
6s = 0.51979
p = 99.20000%
P_{USL} = 0.00000%
P_{LSL} = 0.80000%

Anderson-Darling test: H1 : subgroup is not derived from a Normal distribution

p value: 0.0000

Distribution: Weibull Distribution

Calculation Methods: M2,1 percentile (0.135%-50%-99.865%)

Potential Capability Index (A) Cp: 0.51 <= 0.58 <= 0.65 ↓

Critical Capability Index (A) Cpk: 0.39 <= 0.57 <= 0.76 ↓

Demand Potential Capability Index (A) Cp target: 1.33
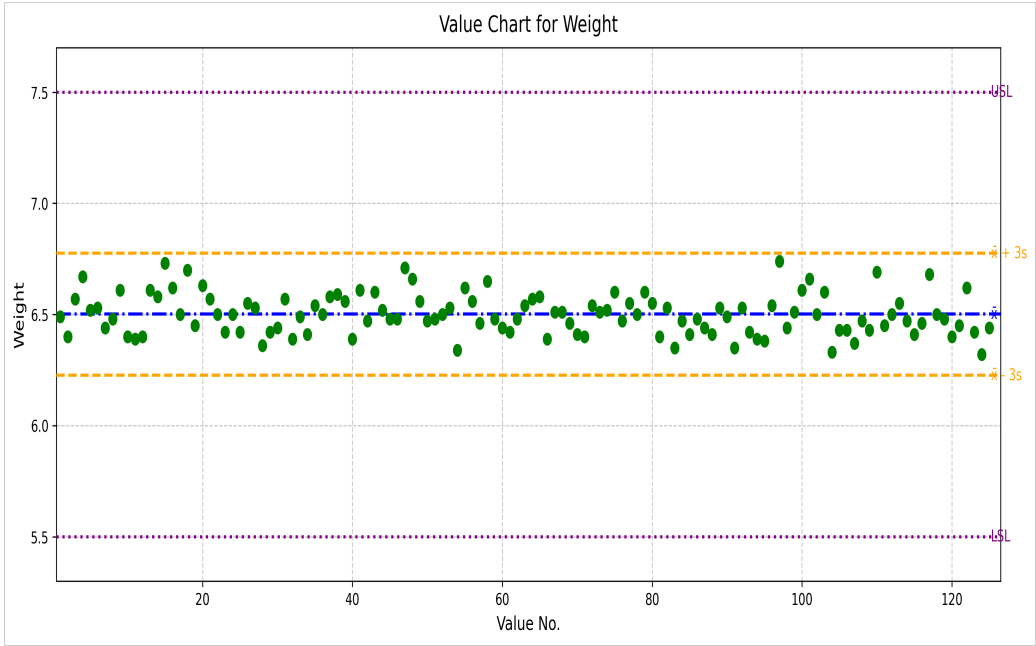
Demand Critical Capability Index (A) Cpk target: 1.33

Status: Requirements were not met (Cp, Cpk, LV) ↓

MCA/CMM Reporting

Op.Name: Unknown **Part no:** 5752 **Part descr:** DISK SEPERATOR **Char.No:** 4 **Char.Class:** Unknown **Nom.val:** 6.500 **Char.Remark:**	**Evaluation:** from 2025-07-05 00:00:00 to 2025-07-05 00:00:00 **OP no:** Unknown **Char.Descr:** Weight **Calc.Tol:** 2.000 **Unit:** **USL:** 7.500 **LSL:** 5.500	**Date:** 20/05/2025 **Page:**4/4 **Drw.No:** DLG/MCDJ/DISK SEPERATOR/01 **Mach.Descr:** Unknown **Subgr.size:** Unknown **Subgr.type:** Unknown

Value Chart for Weight

Drawing Values
Tm = 6.500
LSL = 5.500
USL = 7.500
T = 2.000
Char.Class = Unknown

Collected Values
$\tilde{x}$ = 6.5000
x_{min} = 6.320
x_{max} = 6.740
R = 0.420
n_{eff} = 125
n_{tot} = 125
n = 125
n_{USL} = 0
n_{LSL} = 0

Statistics
$\bar{x}$ = 6.50128
s = 0.091
$x_{50\%}$ = 6.50000
$x_{0.135\%}$ = 6.32167
$x_{99.865\%}$ = 6.73833
$6s$ = 0.54811
p = 100.00000%
P_{USL} = 0.00000%
P_{LSL} = 0.00000%

Anderson-Darling test: H0 : subgroup is derived from a Normal distribution

p value: 0.0856

Distribution: Normal Distribution

Calculation Methods: M2,1 percentile (0.135%-50%-99.865%)

Potential Capability Index (A) Cp: 3.20 <= 3.65 <= 4.10 ↑

Critical Capability Index (A) Cpk: 3.16 <= 3.64 <= 4.13 ↑

Demand Potential Capability Index (A) Cp target: 1.33

Demand Critical Capability Index (A) Cpk target: 1.33

Status: Requirements were met (Cp, Cpk, LV) ↑