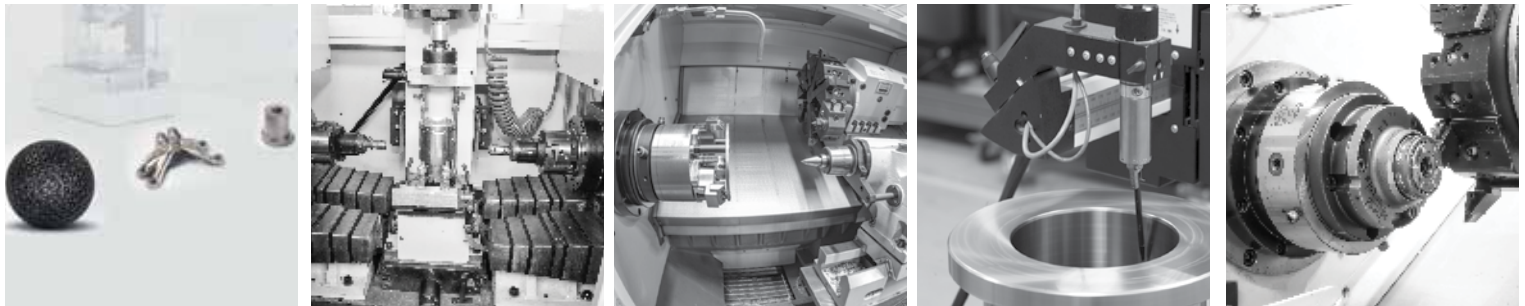


**ALL YOU
NEED IN
MACHINING**



Total Solutions

- Turning
- Milling
- Grinding
- Automation
- Industry 4.0 & IoT
- 3D Printing
- Sales & Service Support
- Special Purpose Machine

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AceMicromatic Group was formed with the intent to create the ultimate machine tools manufacturing ecosystem. There are 8 main principal companies offering machining solutions & are multiple other companies that enable the group to provide the best solutions:



CNC Turning Solutions:

Ace Designers is India's No.1 producer of a comprehensive range of CNC lathes they have also built capabilities in the field of application engineering and tooling solutions. It also offers turnkey solutions, tooled up options, innovative work holding, Cp/Cpk evaluation, IoT.



CNC Milling Solutions:

Ace Manufacturing Systems (AMS) is the largest manufacturers of Machining Centers in India, offers one of the widest range (over 100 variants) of machining centers, both vertical and horizontal and cover the entire gamut of milling applications. AMS also offers turnkey options, automation and tooled up solutions.



CNC Grinding Solutions:

Established as Micromatic Grinding Technologies Ltd (MGT) in 1973, the company has the largest market share in India with 4500+ machines delivered worldwide with many repeat Global customers.

MGT manufactures a wide range of External, Internal, Universal and Special Purpose Cylindrical Grinders in CNC, PLC and Hydraulic versions. Backed with four plants across India, MGT produces CNC Centreless, Internal & Crankshaft Journal Grinders in addition to the expanded range of new machines.



Productivity Solutions:

Ace Micromatic Intelligence Technologies (AmiT) established in 2002, the group's productivity solutions IT company, is always at the forefront of bringing the power of automated IT solutions and IoT to manufacturing. Their products like TPM-Trak, MachineConnect and others are currently in use at hundreds of corporates, Tier-1s and SMEs.

Winner of multiple prestigious awards, their products empower industries to improve their OEE and profits significantly.

Micromatic® Customer service and Sales:

Micromatic Machine Tools (MMT) is the sole marketing and service wing and a total solutions hub for entire customer machining needs of AceMicromatic Group, India's Largest Machine tool conglomerate. MMT is an ISO 9001:2015 certified company with eight technology Centers and 700+ employee spread across 55+ offices around the globe. MMT has also set up offices in China, Germany & Switzerland for overseas marketing.

PRAGATI Machine tool accessories:

Pragati, started in 1977, is the largest manufacturer of high precision automation accessories for machine tools in India. Their wide range of products includes tool turrets, ATCs, driven tool turrets, servo turrets and hydraulic chucking cylinders.



Special Purpose machining:

Taurus is a renowned Special Purpose machine manufacturer that caters to the diverse requirements of the machine building industry. Established in 1988, the company specializes in a variety of international standard tailor-made import substitution SPM machines at an economical price.



3D printing services:

amace solutions pvt. ltd. is an additive manufacturing solutions and services provider offering pre-processing, printing and post-processing in metal 3D printing.

Manufacturers from sector like aerospace, medical, automotive and more have trusted amace for their additive manufacturing/3D printing needs.



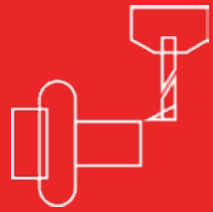
STANDARD 2 AXIS TURNING CENTRE

Model	Units	J 300 LM	J 400 LM/XL	SJ 400 LM/XL	SJ 500 LM/XL	Mega Jobber	CUB LM	Apollo	Simpleturn 40100	Simpleturn 5075/6T	Simpleturn 50125/6T	Simpleturn 50200/6T	LT 20 Classic	LT 25 (630/1000/1500)	LT 30 (630/1000/1500)	LT 40 (1000/2000/3000)
Capacity																
Swing Over Bed	mm	500	500	500	500	550	450	425	400	500	500	500	550	550	650	800
Swing Over Carriage	mm	250	225/260	225/260	225/260	290	125	165	200	280	280	280	290	310	415	575
Max. Turning Dia	mm	320	320	350	350	290	140	190	200 (Axial Tool)	NA/320	NA/320	NA/320	370	450	480	700
Max. Turning Length	mm	300	400	400	500	670	200	224	870	620/550	1120/1050	1870/1800	670	665/1090 /1540	665/1050 /1540	1000/2200 /3200
Distance Between Centres	mm	312	425	425	550	670	280	250	1000	750/675	1250/1175	2000/1925	670	665/1050 /1500	665/1050 /1500	1300/2300 /3300
Spindle																
Spindle Size/Nose		A2-5	A2-5	A2-6	A2-6	A2-6	Flat ø110	Flat ø110	A2-5	A2-6	A2-6	A2-6	A2-6	A2-8 (A2-11)	A2-8 (A2-11)	A2-11
Bore Through Spindle	mm	52.5	52.5	63	63	63	36	36	47	63	63	63	63	80(105)	80(105)	132
Max. Spindle Speed	rpm	4000	4000	3500	3500	3000	4000	4000	2500	2000	2000	2000	4000	3000(2000)	3000(2000)	2000
Spindle Motor Power-Fanuc	kW	5.5/7.5	5.5/7.5	7.5/11	7.5/11	11/15	3.7/5.5	3.7/5.5	5.5	7.5	7.5	7.5	11/15	18.5/22	18.5/22	22/30
Spindle Motor Power-Siemens	kW	7/8.4	7/8.4	9/10.8	9/10.8	11/15	3.7/5.5	3.7/5.5	--	--	--	--	15/15	25/25	25/25	28/28
Axes																
X-Axis Stroke	mm	165	165	180	180	160	87	114	200	300/200	300/200	300/200	205	240	255	380
Z-Axis Stroke	mm	300	400	400	500	670	200	224	870	700/625	1200/1125	1950/1875	670	665/1090 /1540	665/1090 /1540	120/2200 /3200
X/Z-Axis Rapid	m/min	30	30/20	30/20	30/20	20	30	15	8	8 & 10	8 & 10	8 & 10	20	15	15	20
Tooling																
Turret Type	model	BTP-80	BTP-80	BTP-80	BTP-80	BTP-80	BTP 63	BTP 50	4 Station V-Axis	4/6 Station	4/6 Station	4/6 Station	BTP 100	BTP-125	BTP-125	BTP-160
No. Of Stations	no's	8	8	8	8	8	8	8	4	4/6	4/6	4/6	8	8	8	8
OD Turning Tool Size	mm	25x25	25x25	25x25	25x25	25x25	20x20	16x16	20x20	25x25	25x25	25x25	25x25	25x25	25x25	32x32

() - Values mentioned in bracket are optional
 LM - Linear motion guideways
 XL - Hardend ground guideways

Model	Units	Vantage 500/LM	Vantage 800/LM	Vantage 1000/LM
Capacity				
Swing Over Bed	mm	640	640	640
Swing Over Carriage	mm	400/390	400/390	400/390
Max. Turning Dia	mm	580	580	580
Max. Turning Length	mm	500	800	1000
Distance Between Centres	mm	580	1025	1179.5
Spindle				
Spindle Size/Nose		A2-6	A2-6(A2-8)	A2-6
Bore Through Spindle		63	63	63
Max. Spindle Speed	rpm	4000	4000	4000
Spindle Motor Power-Fanuc	kW	11/15	11/15	11/15
Spindle Motor Power-Siemens	kW	15/15	15/15	5/15
Axes				
X-Axis Stroke	mm	300	300	300
Z-Axis Stroke	mm	500	800	1000
X/Z-Axis Rapid	m/min	20	20	20
Tooling				
Turret Type	model	BTP-100	BTP-100	BTP-100
No. Of Stations	no's	8	8	8
OD Turning Tool Size	mm	25x25	25x25	25x25





VERTICAL LATHES

2 AXIS LATHES WITH CUSTOMIZED SOLUTION, COMPACT SERIES

Model	Units	VTL 25	VTL 30-700	VTL 30 Plus	VTL 40	LC 12	LT 16 300 LM	LT 16 XL/LM	LT 2 XL 500/LM500	LT 2 LM 500 Plus	LTP 2 LM 500	CS 16 LM 200	CS 2 XL 400	CS 2 LM 400	
Capacity															
Swing Over Bed	mm	625	800	1000	1000	450	450	500	500	550	500	450	550	550	
Swing Over Carriage	mm	300	240	650	500	125	225	260/225	260/225	275	225	250	300	300	
Max. Turning Dia	mm	400	500	720	800	140	320	320	320	550	320	330	320	320	
Max. Turning Length	mm	400	700	700	800*	200	300	400	500	540	500	200	400	400	
Distance Between Centres	mm	NA	NA	NA	NA	280	296	425	550	550	NA	250	456	456	
Spindle															
Spindle Size/Nose		A2-6	A2-8	A2-11	A2-11	Flat ø110 (A2-5)	A2-5	A2-5	A2-6	A2-6	Flat Nose A2.8/A2.11	ø140H6Flat Nose	A2-6	A2-6	
Bore Through Spindle	mm	47	47	65	65	36	52.5	52.5	63	63	86/110/130/ 160/180/250	52.5	63	63	
Max. Spindle Speed	rpm	50-3000	50-2500	2000	2000	4000	4000	4000	Jul-09	3500	50-1500*	4000	4000	4000	
Spindle Motor Power-Fanuc	kW	11/15	18.5/22	18.5/22	22/30	3.7/5.5	5.5/7.5	5.5/7.5	7.5/11	Nov-15	5.5/7.5	5.5/7.5	7.5/11	7.5/11	
Spindle Motor Power-Siemens	kW	15	25	28	27/38	3.7/5.5	7/8.4	7/8.4	9/10.8	Nov-15	NA	NA	NA	NA	
Axes															
X-Axis Stroke	mm	215	265	380	440	87	165	165	165	275	165	183	235	235	
Z-Axis Stroke	mm	400	700	700	800	200	320	400	500	540	500	200	410	410	
X/Z-Axis Rapid	m/min	20	20	20	20	20	30	20	30	30	30	30	20	20	
Tooling															
Turret Type	model	BTP-100	BTP-125	BTP-125	BTP-160	BTP 63	BTP-80	BTP-80	BTP-80	BTP-80	BTP-80	Servo	Servo	Servo	
No. Of Stations	no's	8	8	8	8	8	8	8	8	8	8	8	8	8	
OD Turning Tool Size	mm	25x25	25x25	25x25	32x32	20X20	25x25	25x25	25x25	25x25	25x25	20x20	25x25	25x25	

() - Values mentioned in bracket are optional
 LM - Linear motion guideways
 XL - Hardend ground guideways





TURNMILL

Model	Units	LT 2 XL/LM 500M	LT 20 CLASSIC M	LT 30 1500 M	LT 40 M	Vantage 800 M	VTL 30 M	VTL 40 M
Capacity								
Swing Over Bed	mm	500	550	650	800	640	800	1000
Swing Over Carriage	mm	260/225	290	415	575	400	240	920
Max. Turning Dia	mm	250	250	390	700	400	500	500
Spindle								
Spindle Size/Nose		A2-6	A2-6	A2-8	A2-11	A2-6	A2-8	A2-11
Bore Through Spindle	mm	63	63	80	132	63	47	65
Max. Spindle Speed	rpm	4000	4000	3000	2000	4000	2500	2000
Spindle Motor Power-Fanuc	kW	9/10	11/15	18.5/22	22/30	11/15	18.5/22	22/30
Axes								
X-Axis Stroke	mm	183	192	275	380	300	300	500
Z-Axis Stroke	mm	500	600	1540	2200	800	800	800
X/Z-Axis Rapid	m/min	20	20	15	20	20	20	20
Tooling								
Turret Type - Rotary Tool Turret		(A)	(A)	(R)	(R)	(R)	(R)	(R)
Rotary Tool Motor Power	kW	2.2	3.7	3.7	5	4.5	4.5	5
No. Of Stations	no's	12	12	12	12	12	12	12
OD Turning Tool Size	mm	20x20	25X25	25x25	32x32	25x25	25x25	25x25

() - Values mentioned in bracket are optional
M - Turnmill
A - Axial
R - Radial

SLIDING HEAD AUTOMATS

Model	Units	SHA 12	SHA 20	SHA 20/3	SHA 32
Max. Machining Dia	mm	12	20	20	32
Max. Machining Length	mm	80	165	80	320
Spindle Thru Hole Dia	mm	16	24	24	
Max. Main Spindle Speed	rpm	12000	8000	10000	8000
Max. Sub Spindle Speed	rpm	12000	8000	8000	8000
Max. Spindle Speed Of Gang Rotary Tool	rpm	6000	6000	6000	6000
X1 - Axis Rapid Traverse	m/min	24	18	24	24
Y1 - Axis Rapid Traverse	m/min	24	32	32	24
X2, Z1, Z2 -Axis Rapid Traverse	m/min	32	32	32	30
Main and Sub Spindle Power	kW	1.5/2.2	2.2/3.7	2.2/3.7	3.7/5.5
Spindle Motor Power	kW	1.5/2.2	2.2/3.7	2.2/3.7	3.7/5.5
No. of Tools Max.	no's	20	21	12	27
Over All Dimensions (LxWxH)	mm	1242x1916x1916	2265x1445x1900	1930x1250x1790	2600x1500x2150





SUB-SPINDLE & Y AXIS

Model	Units	LT 2 XL 500 S	LT 2 XL 500 M S	LT 2 LM 500 MSY	Vantage 800 MYS	Vantage 800 MY
Capacity						
Swing Over Bed	mm	610	610	610	640	640
Swing Over Carriage	mm	350	350	330	400	400
Max. Turning Dia	mm	350	350	375	400	400
Spindle						
Spindle Size/Nose		A2-6	A2-6	A2-6	A2-8	A2-8
Bore Through Spindle	mm	63	63	63	86	86
Max. Spindle Speed	rpm	4000	4000	4000	3000	4000
Spindle Motor Power-Fanuc	kW	9/11	9/11	9/11	11/15	11/15
Spindle Motor Power-Siemens	kW	9/3.5	9/3.5	12/14.9	15/15	15/15
Sub-Spindle						
Sub-Spindle Size/Nose		Flat Nose	Flat Nose	Flat Nose	Flat Nose	NA
Bore Through Spindle	mm	47	47	47	47	NA
Max. Sub-Spindle Speed	rpm	6000	6000	6000	6000	NA
Spindle Motor Power	kW	5.5/7.5	5.5/7.5	5.5/7.5	5.5/7.5	NA
Full Power Range-Fanuc	rpm	1200 - 6000	1200 - 6000	1200 - 6000	50 - 6000	NA
Axes						
X-Axis Stroke	mm	150	223	198	300	300
Z-Axis Stroke	mm	500	500	500	800	800
Y-Axis Stroke	mm	NA	NA	±40	+55/-75	+55/-75
Tooling						
Turret Type		Rotary Tool Turret(R)	Rotary Tool Turret(R)	--	(R)	(R)
Rotary Tool Motor Power	kW	--	2.2	2.2	4.5	4.5
No. Of Stations	no's	12	12	12	12	12
Max. Boring Bar Dia	mm	32	32	32	40	40
OD Turning Tool Size	mm	20x20	20x20	20x20	25x25	25x25

() - Values mentioned in bracket are optional
M - Turnmill
A - Axial
R - Radial
LM - Linear motion guideways
XL - Hardend ground guideways

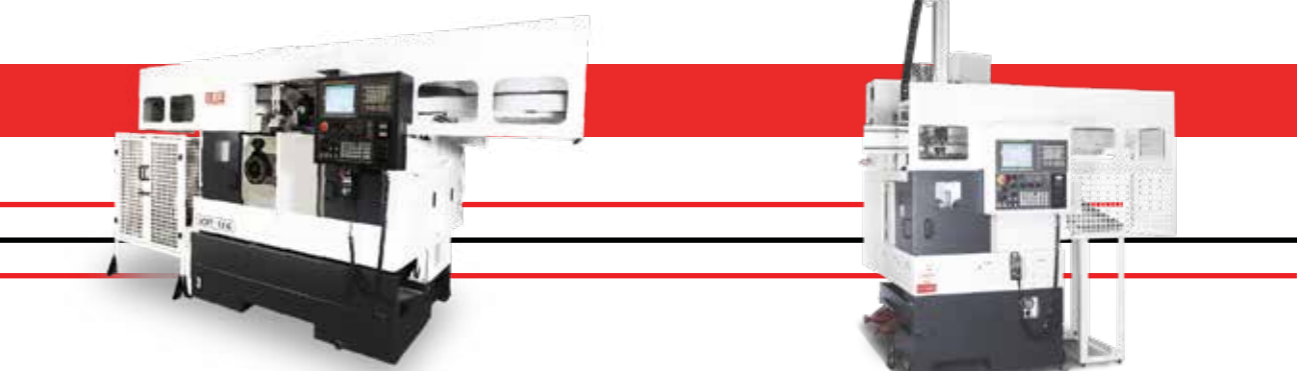


TWIN SPINDLE MACHINES

Model	Units	LCXT 12	LCXT 20	LCT 12G R
Capacity				
Swing Over Bed	mm	327	458	327
Swing Over Carriage	mm	327	458	327
Max. Turning Dia	mm	240	360	240
Max. Turning Length	mm	145	190	145
Spindle				
Spindle Size/Nose		A2-5	A2-6	A2-5
Bore Through Spindle	mm	47	63	47
Spindle Motor Power-Fanuc	kW	5.5/7.5	11/15	5.5/7.5
Axes				
X-Axis Stroke	mm	130	190	130
Z-Axis Stroke	mm	145	190	145
X/Z-Axis Rapid	m/min	24	24	24
Tooling				
Turret Type		Servo	Servo	Servo
No. of Stations	no's	8	10	8
OD Turning Tool Size	mm	20x20	25x25	20x20

TWIN SPINDLE MACHINES - GANTRY AUTOMATION

Model	Units	LCXT 12 G	LCXT 20 G	LCT 12 G R
Work Piece Weight	Kg	3X2	6X2	3X2
Work Piece Size	mm	Ø120X85	Ø200X120	Ø120X85
U/V/W Axis Stroke	mm	3200/550/185	4200/650/300	1430/550/185
U/V/W Axis Rapid	m/min	160/120/55	160/120/55	160/120/55





STANDARD VERTICAL MACHINING CENTRES

Model	Units	430 V	MCV-300	MCV-350	540V	Winner	Super Winner	740V	MCV-400	MCV-450	Acer/850V	MCV-550L	1060V	MCV-650	MCV-700N	MCV-700	MCV-800
X-Axis	mm	400	400	400	500	500	500	700	600	800	800	1000	1000	1020	1250	1500	2000
Y-Axis	mm	300	350	350	400	400	400	400	450	450	510	550	600	650	700	700	810
Z-Axis	mm	400	320	480	450	350	500	450	500	500	500	550	600	600	600	700	810
Table Size	mmxmm	650x300	650x350	650x350	750x400	800x400	800x400	850x400	800x450	1000x450	1000x510	1200x550	1200x600	1200x650	1450x700	1650x700	2400x810
Max. Load On Table	kgf	250	400	400	400	300	300	400	300	400	500	800	800	800	1200	1500	2000
Spindle Speed - Std	rpm	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	4000/5000	4000/5000
Opt 1	rpm	8000	8000	8000	10000	8000	8000	8000	8000	8000	8000	8000	8000	8000	8000	6000	6000
Opt 2	rpm		10000	10000		10000	10000	10000	10000	10000	10000	--	10000	--	--	--	--
Spindle Power - Std	kW	5.5/3.7	5.5/3.7	5.5/3.7	7.5/5.5	5.5/3.7	7.5/5.5	7.5/5.5	7.5/5.5	11/7.5	11/7.5	11/7.5	11/7.5	11/7.5	15/11	15/11	18.5/15
Opt	kW	--	7.5/5.5	7.5/5.5	--	7.5/5.5	--	--	11/7.5	15/11	15/11	(15/11)/(18.5/15)	15/11	(15/11)/(18.5/15)	18.5/15	18.5/15	--
ATC Capacity		20	12	20	20/(24)	12	20/(24)	20/(24)	20/(24)	24	24	24	24	24	24	24	24
Rapid Traverse - Std	m/min	36/36/36	40/40/40	40/40/40	40/40/40	40/40/30	40/40/40	40/40/40	30/30/30	30/30/30	40/40/30	32/32/24	32/32/24	32/32/24	20/20/24	20/20/20	18/18/18
Tool Shank Type		BT-40	BT-40	BT-40	BT-40	BT-40	BT-40	BT-40	BT-40	BT-40	BT-40	BT-40	BT-40/ (BT-50)	BT-40/ (BT-50)	BT-40/ (BT-50)	BT-40/ (BT-50)	BT-40/ (BT-50)
CNC System - Std	model	0iMF	0iMF	0iMF	0iMF	0iMF	0iMF	0iMF	0iMF	0iMF	0iMF	0iMF	0iMF	0iMF	0iMF	0iMF	0iMF
Opt	model	--	828D/M80	828D/M80	--	828D/M80	828D/M80	828D/M80	828D/M80	828D/M80BVU	828D/M80	828D/M80	828D/M80	828D/M80	828D/M80	828D/M80	--

Opt - Optional features
() - Values mentioned in bracket are optional

SPECIAL VMCS

Model	Units	TCV-540	DM-800	Leader 400 XL
X-Axis	mm	500	1000	600
Y-Axis	mm	400	800	450
Z-Axis	mm	320	500	500
Table Size	mmxmm	760x400(2)	1000x700	750x400(2)
Max. Load On Table	kgf	200/250	1500	300
Spindle Speed - Std	rpm	10000	8000	8000
Opt 1	rpm	12000	10000	10000
Spindle Power	kW	7.5/5.5	15/11	11/7.5
ATC Capacity		16	20/(30)	20
Rapid Traverse - Std	m/min	50/50/50	20/20/16	50/50/40
Tool Shank Type		BT-40	BT-40	BT-40
CNC System - Std	model	0iMF	0iMF	0iMF
Opt	model	--	828D/840D/M80	--





DRILL TAP MACHINING CENTRES

Model	Units	Spark	Spark XL	Dart S	DTC-400	DTC-400XL	DTC-400XL-L	Super Dart	Challenger+	MCV-400F	MCV-400 XL	MCV-450 XL	Acer XL
X-Axis	mm	300	400	400	500	500	700	600	600	600	600	800	800
Y-Axis	mm	250	300	350	400	400	400	450	450	450	450	450	510
Z-Axis	mm	250	250	320	320	320	320	500	350	500	500	500	500
Table Size	mmxmm	500x270	650x300	650x350	750x400	650x400	850x410	900x450	900x450	900x450	900x450	1000x450	1000x510
Max. Load On Table	kgf	150	200	200	400	300	300	250/500	250/500	300	500	500	600
Spindle Speed - Std	rpm	6000	8000	6000	8000	10000	10000	8000	8000	8000	8000	8000	8000
Opt 1	rpm	8000	--	8000	10000	12000	12000	10000	10000	10000	10000	10000	10000
Opt 2	rpm	--	--	12000	--	--	--	--	12000	12000	12000	12000	12000
Spindle Power - Std	kW	5.5/3.7	5.5/3.7	5.5/3.7	5.5/3.7	7.5/5.5	7.5/5.5	7.5/5.5	7.5/5.5	7.5/5.5	11/7.5	11/7.5	11/7.5
Opt	kW	--	--	7.5/5.5	7.5/5.5	--	--	11/7.5	11/7.5	15/11	15/11	15/11	15/11
Rapid Traverse - Std	m/min	25/25/18	36/36/36	40/40/40	48/48/40	60/60/48	50/50/48	50/50/40	50/50/40	50/50/36	40/40/40	40/40/40	50/50/40
Tool Shank Type		BT-30	BT-30	BT-30	BT-30	BT-30	BT-30	BT-30/(HSKA50)	BT-40	BT-40	BT-40	BT-40	BT-40
CNC System - Std	model	OiMF	OiMF	OiMF	OiMF	OiMF	OiMF	OiMF	OiMF	OiMF	OiMF	OiMF	OiMF
Opt	model	--	--	--	828D/M80	M80	--	--	--	--	--	--	--
ATC Capacity		8	8	12	12	16	16	20	12	24	24	24	24

Opt - Optional features
() - Values mentioned in bracket are optional

TWIN SPINDLE MACHINING CENTRES

Model	Units	Gemini Mini S	Gemini Mini L	Gemini Jr.	Gemini Jr. XL	Gemini XL	Gemini Max
X-Axis	mm	400	600	500	500	600	750
Y-Axis	mm	400	450	450	450	450	500
Z-Axis	mm	480	500	600	600	600	600
Table Size	mmxmm	800x400	1100x450	900x450	900x450	1200x480	1400x520
Max. Load On Table	kgf	350	350	500	500	500	1000
Distance Between 2 Spindles	mm	250	360	250	250	400/460	400/550
Spindle Speed - Std	rpm	6000	6000	8000	8000	8000	4000
Opt 1	rpm	8000	8000		10000	10000	
Spindle Power	kW	11	11	7.5/5.5 (2)	7.5/5.5 (2)	7.5/5.5 (2)	--
Opt	kW	--	--	11/7.5 (2)	11/7.5 (2)	11/7.5 (2)	26/22 (2)
Rapid Traverse - Std	m/min	50/50/40	50/50/40	24/24/24	50/50/40	50/50/40	40/40/40
Tool Shank Type		BT-30	BT-30	BT-40	BT-40/ HSKA63	BT-50/ HSKA100	
CNC System - Std	model	OiMF	OiMF	OiMF	OiMF	OiMF	OiMF
Opt	model	828D	828D	828D	828D	--	--
ATC Capacity		20(2)	20(2)	20(2)	20(2)	20(2)	20(2)

HIGH SPEED VMCs



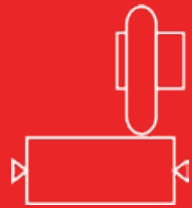


HORIZONTAL MACHINING CENTRES

Model	Units	Proton	HMC-400 XL	FIER H	CMH-400 XL	CMH-500 XL	MCH-400 XL	MCH-500 L	MCH-630	MCH-800
X-Axis	mm	500	600	550	600	800	610	800	1000	1500
Y-Axis	mm	400	500	500	500	550	610	800/600	850	1200
Z-Axis	mm	400	500	500	500	550	650	800	900	1300
Table/Pallet Size	mmxmm	400x320	400x500	400x500	400x500	500x630	400x500	500x630	630x800	800x1200
Max. Load On Table/Pallet	kgf	200	400	400	400	500	500	500	1200	2000
Spindle Speed - Std	rpm	6000	6000	6000	6000	6000	8000	4000	4000	4000
Opt 1	rpm	8000	8000	8000	8000/10000	8000/10000	10000	6000	--	--
Spindle Power - Std	kW	7.5/5.5	11/7.5	11/7.5	11/7.5	15/11	15/11	15/11	26/22	30/22
Opt	kW	11/7.5	15/11	--	15/11	--	--	--	--	--
Rapid Traverse - Std	m/min	40/40/40	40/40/32	40/40/40	50/50/50	40/40/40	48/48/48	40/40/40	40/40/40	40/40/40
Tool Shank Type		BT-40	BT-40	BT-40	BT-40	BT-40/(BT-50)	BT-40	BT-40/(BT-50)	BT-50	BT-50
CNC System - Std	model	OiMF	OiMF	OiMF	OiMF	OiMF	OiMF	OiMF	OiMF	OiMF
ATC Capacity		16/30	24/30/40	24/30	40/60	40/60	40/60	40/60	60	60

Opt - Optional features
() - Values mentioned in bracket are optional





HYDRAULIC CYLINDRICAL GRINDER

COMPACT

Model	Units	ECO 200	ECO E/U	GC U / E 350	GHU U / E 440
Swing Diameter	mm	200	200	350	440
Admit Between Centre	mm	400[630]	400	630 800 1200	800 1600 2000 ⁵
Grinding Length	mm	400	400	500 750 1150	750 1550 2000
Grinding Diameter (Max. / Min. OD)	mm	100/6**	100/6**	160/6**	250/6**
Grinding Wheel (Max. Dia x Max. Width)	mm	350x50	350x50	400[500]*x127 [203.2]x[80]	(U-500x203.2x80*) [E-600x254x80(100)*]
Spindle Power	kW	3.7	3.7	3.7 [5.5]	7.5 [11]
Wheel Speed	m/sec	33	33	33 [45]	33 [45]
Std. Spindle Size (Dia x Length (Max. rpm))	mm (rpm)	60 X 250 (18000)	60 X 250 (18000)		

ECONOMICAL

Model	Units	Pluto 18	SG 40	SG 63	SG 100
Swing Diameter	mm	200	350	350	350
Admit Between Centre	mm	230	530	830	1230
Grinding Length	mm	180	400	630	1000
Grinding Wheel (Max. Dia x Max. Width)	mm	400x50	500x50[80]	500x50[80]	500x50[80]
Spindle Power	kW	3.7	3.7[5.5]	3.7[5.5]	3.7[5.5]
Wheel Speed	m/sec	30	33[45]	33[45]	33[45]

MEDIUM DUTY

Model	Units	e GRIND 200	SM 40	SM 63	SM 100
Swing Diameter	mm	200	320	320	320
Admit Between Centre	mm	250	400	630	1000
Grinding Wheel (Max. Dia x Max Width)	mm	450[500]x50 [80 With Spacer]	550x80 (45m/s) [550x120]	550x80 (45m/s) [550x120]	550x80 (45m/s) [550x120]
Spindle Power	kW	5.5	7.5[11]	7.5[11]	7.5[11]
Wheel Speed	m/sec	45	45	45	45

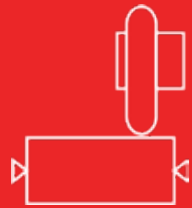
HEAVY DUTY

Model	Units	SH 40	SH 63	SH 100
Swing Diameter	mm	320	320	320
Admit Between Centre	mm	400	630	1000
Grinding Wheel (Max. Dia x Max. Width)	mm	660x145(45 m/s) 760x150(45 m/s) 660x120(60 m/s)	660x145(45m/s) 760x150(45m/s) 660x120(60m/s)	660x145(45m/s) 760x150(45m/s) 660x120(60m/s)
Spindle Power	kW	11[15/22]	11[15/22]	11[15/22]
Wheel Speed	m/sec	45/60	45/60	45/60

HEAVY DUTY

Model	Units	H GRIND 360 CNC	Rhino 80	Rhino 120
Swing Diameter	mm	360/500/630	500	500
Admit Between Centre	mm	630/1200/ 2000/3000	800	1200
Grinding Wheel (Max. Dia x Max. Width)	mm	760x180	ø 900 x 50	ø 1066 x 50
Spindle Power	kW	22[30]	15	22
Wheel Speed	m/sec	45	45	60





CNC PRODUCTION CENTRELESS GRINDER

Model	Units	CLG 5020/5025(TG)/6015	CLG 6020/6025	CLG 6030 (TG)
Component Size				
Min. Max. Dia	mm	2 ~ 60	3 ~ 120	3 ~ 120
Grinding Wheel - Dia x Width x Bore	mm	Ø510x200/250xØ250 / Ø610x150xØ250	Ø610x200xØ304.8 / Ø610x250xØ304.8	Ø610x305xØ304.8
Max. Wheel				
Surface Speed	m/sec	45	45	45
Grinding Wheel Spindle Power	kW	11[15]	22[30]	30
Regulating Wheel - Dia x Width x Bore	mm	Ø305x200/150/250xØ127	Ø350x200/250xØ152.4	Ø350x305xØ152.4
Regulating Wheel Spindle Power	kW	1.5	2.2	2.2
Infeed Slide Servo Motor	Nm	11/12	18/22	18/22

CNC PRODUCTION INTERNAL GRINDER

ECONOMICAL

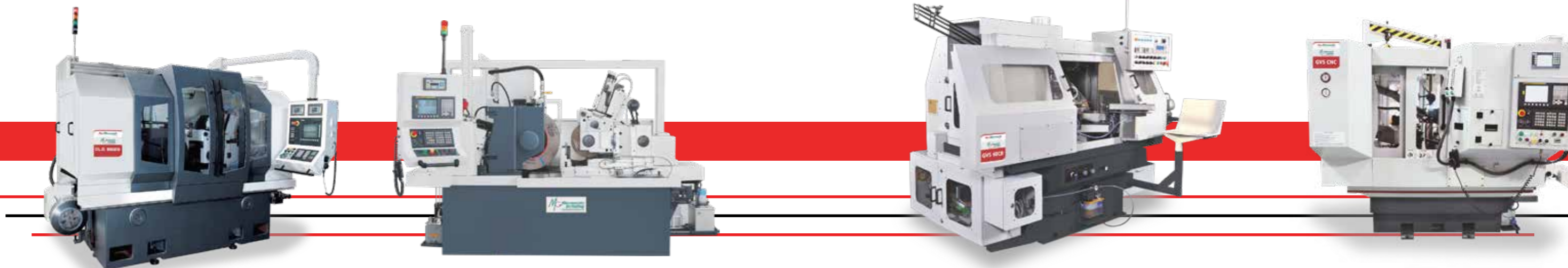
Model	Units	IG 150	IG 150 U	IG 50 CNC
Max. Swing Dia Of Chuck	mm	300[450, 600]	300[450, 600]	160[250]
Max./Min Grinding Diameter	mm	150[250]/5	150[200] /5	50[70]/10
Max. Grinding Depth	mm	200	120	70
Workhead Spindle Nose		A2-5[A2-6, A2-8]	A2-6[A2-8]	A2-4 (A2-5)
Max. Component Weight (Including Chuck)	kg	70[110, 150]	110 (150)	50
Internal Grinding Spindle	rpm	Belt Drive Upto 35,000 / HF Drive Upto 1,05,000	Belt Drive Upto 35,000 / HF Drive Upto 1,05,000	Belt Drive Upto 35,000 / HF Drive Upto 1,05,000
OD Grinding Wheel Size	mm	--	Ø 400x50	--

PLC ENGINE VALVE SEAT GRINDER

Model	Units	GVS 60 CR
Head Diameter	mm	Ø 20 ~ 60
Seat Angle	degree	45° ~ 70°
Stem Diameter	mm	4.5 ~ 15
Overall Length	mm	55 ~ 170
Cutting Speed	m/sec	45

HIGH SPEED VALVE SEAT GRINDER

Model	Units	GVS 60 CNC
Head Diameter	mm	20 ~ 50
Seat Angle	degree	45 ~ 60
Grinding Wheel (Max. Dia x Max. Width)	mm	610x20
Type Of Wheel		Conventional [CBN]
Spindle Power	kW	5.5
Wheel Speed	m/sec	60





TOOL TURRETS

Pragati has produced over 45,000 BTP turrets out of which around 16,000 turrets are working outside India. Presently, Pragati produces a wide variety of turrets like:

- BTP Electromechanical Turrets
- HTP Hydraulic Turrets
- STP Servo Turrets
- SMT Single Motor Live Tool Turrets - Radial
- SMT Single Motor Live Tool Turrets - Axial
- DST Driven Servo Turrets
- DTT Driven Tool Turrets
- VTP Vertical Tool Turrets
- SQTP Square Turrets

TOOL DISCS & TOOL HOLDERS

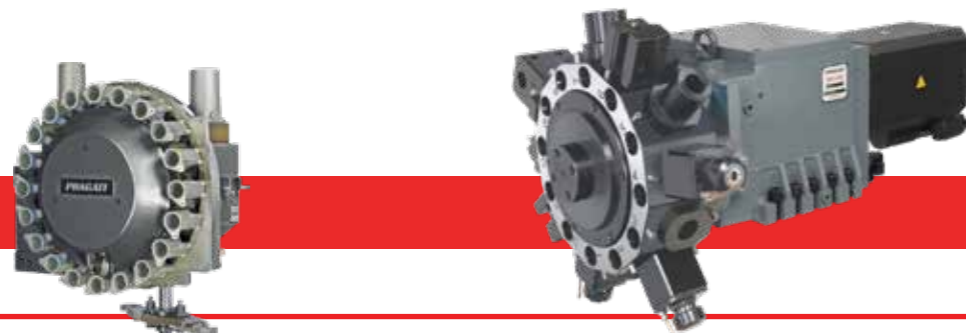
Tool Discs are available in standard slotted and VDI varieties to suit different models of tool turrets and corresponding tool holders.

TOOL TURRETS

Index Tables have been developed on the lines of our highly successful BTP-series of turrets

Key features include:

- Three-piece coupling, electrical operation, & encoder feedback
- Repeat positioning accuracy: $\pm 2''$
- Indexing time for 45°: 0.5 sec



AUTOMATIC TOOL CHANGER (ATC)

Available for both vertical and horizontal machining centres with 30, 40, 50 taper.

ATC features an Arm Drive Unit which consists of a synchronized mechanism of globoidal and groove cams.

- Tool magazines are available in different capacities 20, 24, 30 or 32 for a drum type magazine 30, 32, 40, 50, 60 and 90 for a chain type magazine
- Magazine rotation can be either by a cam drive or servo drive mechanism

CHUCKING CYLINDERS

- Rotary Chucking Cylinders primarily find it's application on CNC lathes, for actuation of power chucks.
- "With Safety" chucking cylinders are suitable for high-speed application and incorporate a check valve which prevents the chuck jaws from opening in case of hydraulic system failure during operation.

These cylinders are available in two versions:

- Closed Centre Models : PSS 1020, 1225, 1530 & 2035
Open Centre Models : PHS 1036, 1246, 1552, 1875 & 2091
- "Without Safety" chucking cylinders are suitable for relatively low-speed application and are available in models P-140, P-110, P-80, P-50 & P-30

INDUSTRY 4.0 PRODUCTS AND SOLUTIONS

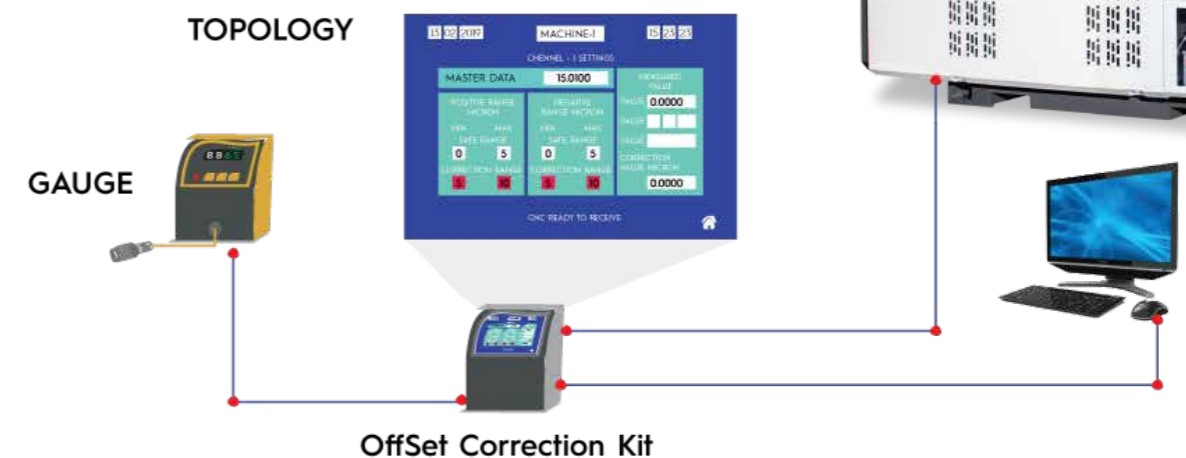
- Real time OEE & production analytics
- Process energy monitoring
- Assembly conveyor monitoring
- Online inspection & poke yoke, wear offset correction and SPC
- Visual Factory ANDON
- End to end traceability
- eSHOPx digital factory
- Machine diagnostics
- Customised work flows using hardware and software
- MachineConnect™



Automated SPC & Wear Offset Correction

Features

- Corrects wear offset values automatically for critical dimensions
- Compares the actual measurement to pre-defined limits
- Records data that is given out by the measuring gauges
- Generates X Bar & R charts automatically
- Computes process capability values automatically
- Automatic generation of histogram charts for better decision making





INDUSTRY 4.0 PRODUCTS AND SOLUTIONS

REAL TIME OEE AND PRODUCTION ANALYTICS

Precisely identify machine stoppages and other losses and take corrective actions and improve operational efficiency.

Applies to any discrete process – press work, die casting, metal cutting, automated assembly stations.

Captures cycle time, load/unload time, down-times with reasons, rejection quantity etc.

PROCESS ENERGY MONITORING

Measure energy consumed by each machine to derive the cost per component, identify changes in energy usage to optimize process health.

ASSEMBLY CONVEYOR MONITORING

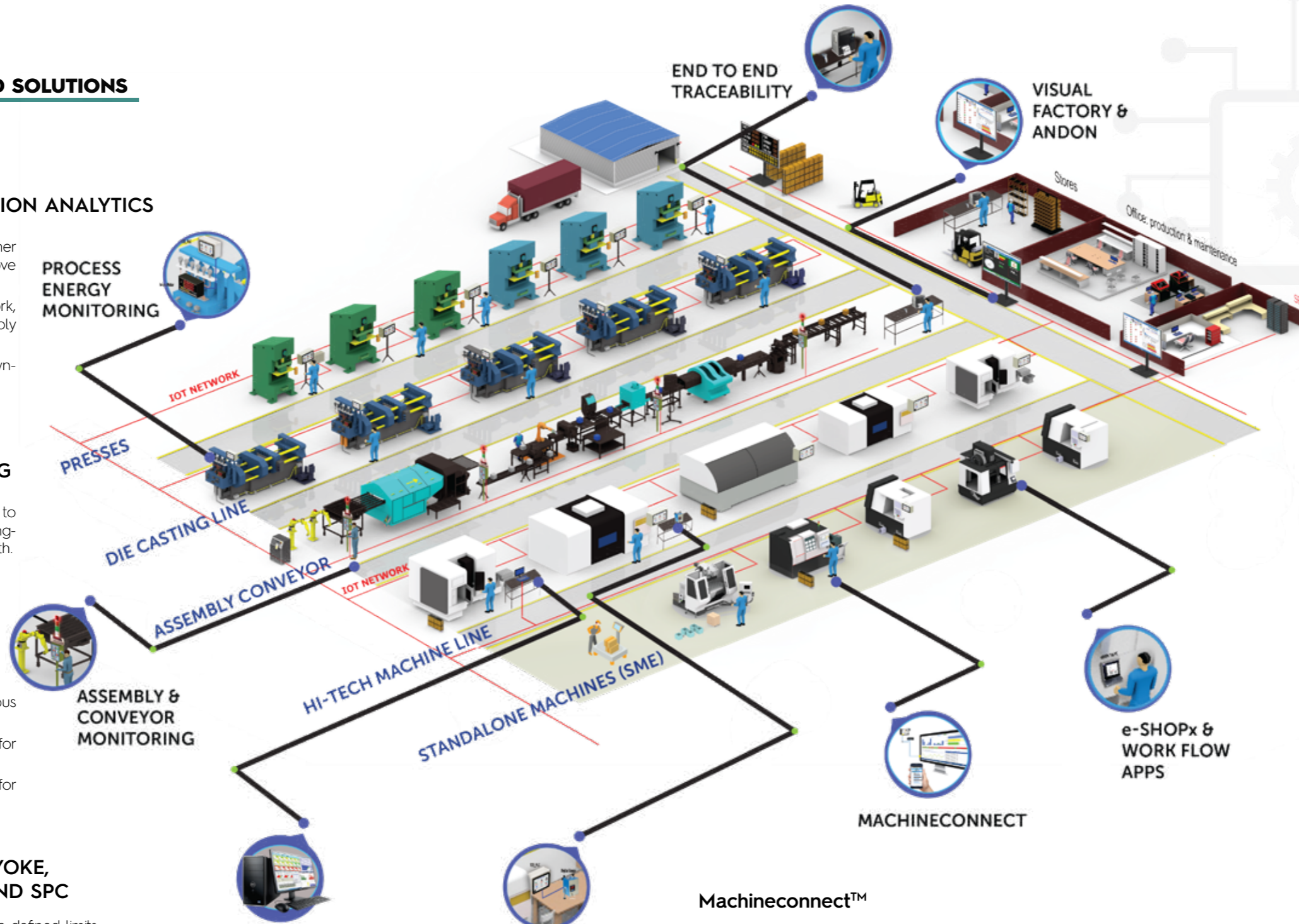
Status and communication between various departments in conveyor lines.

Alert the right people at the right time for relevant assistance.

Measure and reduce the turnaround times for department wise requests.

ONLINE INSPECTION & POKE YOKE, WEAR OFFSET CORRECTION AND SPC

- Compares the actual measurement to pre-defined limits
- Records data that is given out by the measuring gauges
- Generates X Bar & R charts automatically
- Computes process capability values automatically
- Enables the analysis of data distribution for decision making through histogram chart
- Corrects wear offset values automatically for critical dimensions



VISUAL FACTORY ANDON

Real time visual indicators for shop floor (TV/LED screens) for enhanced shop floor visibility and awareness leads to improved work culture and efficiency.

END TO END TRACEABILITY

Tracking raw material to final product at each stage to ensure quick, error free traceability of product/process history by each part produced.

eSHOPX - DIGITAL FACTORY

Using machine mounted displays to provide access to operator to latest drawings, CNC programs, process sheets etc.

Ensure production tasks are performed in right sequence with step by step guidance and interlocks for poke yoke.

Machineconnect™

Plug and play software only solution for automated collection of accurate, rich production data and machine parameters diagnostic data.

These data will provide insight into production analytics, machine diagnostics & maintenance (preventive and predictive).



SPECIAL PURPOSE MACHINE



SALES & SERVICE



EXPERT SPECIAL PURPOSE MACHINE MANUFACTURER

Taurus is a renowned Special Purpose Machine manufacturer that caters to the diverse requirements of the machine building industry. Established in 1988, the company specializes in a variety of international standard tailor-made import substitution SPM machines at an economical price. Equipped with a seasoned design staff and experienced technicians, Taurus has been building and debugging machines to the customer's satisfaction since decades. Now joining the Ace Micromatic group with its acquisition by Ace Designers, Taurus adds to the rich variety of companies that make the group a true leader in the industry.

Products:

- Metal Cutting Machines
- Non-Ferrous Material Machining Machines
- Testing Machines
- Assembly of Parts Machines
- Hot and Cold Metal Forming Machines
- Special Jig Fixtures
- Gas Cylinder Machines
- Insulator Machines
- Material Handling
- Process Equipments
- Moulding Machines
- Spares & Accessories
- Exports



SUPPORTING YOU ON YOUR MACHINE JOURNEY, COMPLETELY

Micromatic Machine Tools, the sole Marketing and Service wing of AceMicromatic group, India's Largest Machine tool conglomerate, with over 55,000+ CNC machine installations in India and around the world.

We at Micromatic Machine Tools popularly known as MMT, have endeavoured to be a "Total Solutions" hub to our customers, by providing them a One Stop Solution to all their machining needs. We strive to always be closer to our customers and have been doing so through our extensive all India network of 55+ sales and service centres, offering Sales support, Service support, AMC, Application Engineering, Pre order trials and more..

To further help our customers reduce their lead time to productionize their high value machines, we at MMT have over the years, formed strategic relationships with industry leaders in various domains such as cutting fluids, lubricants, cutting tools, power conditioners, capacity management tool, who are today our "Eco System partners" helping us add more value to the value chain of our customers.

With a strong team of 700+ trained engineers, we serve best by being at the door steps of our customers in need and provide them with unmatched pre-sales and post sales application and service support.

At Ace Micromatic we pride ourself at being at our customer's side at every step of the way offering products from all aspects of machining like turning, milling, grinding, productivity solutions, accessories, shop floor essentials, automation, up gradation, retro fitment & reconditioning and more.

Staying true to our motto of putting our customers first we have created an all-encompassing system of solutions to cater to every need that will help our customer at any point.



3D PRINTING



ADDITIVE MANUFACTURERS

amace solutions pvt. ltd. is an additive manufacturing solutions and services provider offering pre-processing, printing and post-processing in metal 3D printing.

Pre-Processing

From understanding your specifications all the way to productionisation, We offer end-to-end AM solutions you would require to complete your project.

Leveraging on some of the best available tools in 3D modelling, simulation, analysis, additive design, topology optimisation, and CAM software, amace solutions offers a wide spectrum of solutions for customers.

Printing

With the high productivity 3D printing technology available with us and the knowledge of process parameter optimization the team amace can provide myriad of printing options for machine user.

Post-Processing

We offer various post-processing techniques to improve the mechanical properties, accuracy, and appearance of metal printed parts.



ECO-SYSTEM PARTNERS

We understand the hassle every shop owner goes through before he can start cutting on his machine. This is where customers of AceMicromatic Group are at the benefit of the one-stop-shop model that provides all shop floor essential materials from trusted brands under one roof.



Cutting Tools and Inserts



Power Conditioners



Cutting Fluids and Lubricants



CAM Software



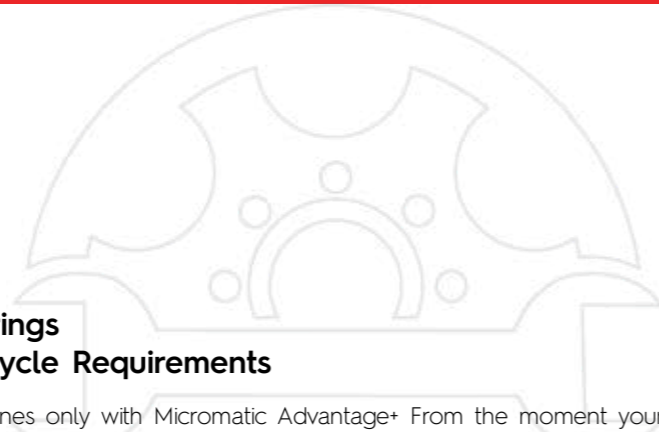
Tool Holders



Grease



Capacity Management Portal



Micromatic advantage+

SUPPORT MUCH MORE THAN MEANT

Through Various Service Offerings To Meet Entire Product Life Cycle Requirements

Upgrade your experience with our machines only with Micromatic Advantage+ From the moment your machine is commissioned, we begin on a journey dedicating our resources to get the best value out of your machine tools at any point of its life cycle. Experience complete committed continuous support from only the most seasoned experts in the industry with carefully curated solutions that are best suited for you.

WARRANTY SUPPORT



COMMISSIONING SUPPORT

MMT's experience and expertise has been distilled into check lists and work instructions; to ensure that customer's new machines from AceMicromatic Group start performing on arrival at their shop.



BREAKDOWN SUPPORT

In the event of machine breakdown, MMT trained service engineers will quickly reach the customer and attend to the same, professionally and courteously.

POST WARRANTY SUPPORT



AMC - SERVICE BUSINESS SEGMENTS

- AMC-Regular
- AMC- Machine calibration
- PMC
- AMC- Additional Scope
- MHC



SPARES AND SUBSYSTEM PRODUCTS

- Regular spares parts
- Subsystem products
- Machine elements
- Retro fitments kits and accessories



RECONDITIONING AND RETRO FITMENT

- Complete machine
- Subsystems
- Machine elements
- Retro fitments of subsystems and accessories

MACHINE UPGRADES AND ADDITION FEATURE IN CORPORATION



- Control system and accessories
- ATC/, B Axis, 4th Axis and 5th Axis
- Subsystem upgrades



AUTOMATION

- Machine tending
- Line automation
- Gantry
- Custom made
- ROBO



MACHINE CALIBRATION

- Laser and ball bar
- Subsystem alignments
- Machine alignments
- Balancing



MACHINE RENTING AND LEASING

- New machine renting and leasing
- Used machines renting and leasing



TRAINING

- Maintenance training
- Maintenance management
- Operational training
- Subsystem training



VAS

- Preinstallation support
- Consumable support and handling
- Machine shifting and installation
- Machine painting
- Maintenance data analysis and recommendation



ON FIELD SOLUTION

TECH CENTRES: MICROMATIC WAY OF THINKING NEXT

Tech centres from Micromatic Machine Tools are established to enrich the bond that Ace Micromatic shares with its customers. Tech Centres are multifunctional hubs where all information regarding machines, tooling and fixture options, part development, process improvement, machine operation, maintenance, applications, and training are provided along with part prove outs.

For a hands-on experience, every Tech Centre has a representative selection of CNC lathes, machining centres and grinding machines available for customers where trained engineers create awareness on effective utilization for better profitability.

Five rooms of action:

The hands-on feel of machines:

Here, we intend to boost the confidence of first-time CNC users on CNC operating basics. Our engineers help customers get enough practical training on the equipment thereby enabling them to construct long-term goals against short-term ups and downs of business.

Application engineering solutions

This is one of the core areas where customers are offered assistance on various technical issues like cycle time workouts, machining feasibility, machine selection, tooling-fixtures support, programming support, part trials, and also address process-related issues as an extended handhold to our customers.

Training

Training programs on Operating, Programming, and Machine Maintenance are scheduled every month at respective tech centre locations where experienced CNC operator/Setters/Technicians from various companies are upskilled. Customized training programs are also conducted on-site to address individual industry needs.

Seminars

Seminars are conducted regularly to help customers get a clear understanding of machining capabilities, controllers, tooling, fixtures, etc., and also to update them on the latest technology.



ENVIRONMENT SOLUTION

CSR Initiative

Tech centres identify and train non-technical youth on CNC machine operations so that they are skilled and ready for employment. Through this program, unemployed youngsters receive free training and certification, making them ready for immediate recruitment in the CNC metal cutting industry.



OUR NETWORK

INDIA

NORTH

Delhi

T: +91 11 22414232
E: mmtdel@acemicromatic.com

Faridabad

T: +91 129 4047000
E: mmtdel@acemicromatic.com

Gurgaon

T: +91 124 4745500
E: mmtdel@acemicromatic.com

Ludhiana

T: +91 97791 78296
E: pjbsales@acemicromatic.com

Rohtak

T: +91 99966 91055
E: mmtdel@acemicromatic.com

Rudrapur

T: +91 97201 06532
E: mmtukd@acemicromatic.com

EAST

Jamshedpur

T: +91 657 2383750
E: mmtcal@acemicromatic.com

Kolkata

T: +91 98301 10933
E: mmtcal@acemicromatic.com

WEST

Ahmedabad

T: +91 99242 89892
E: mmtbom@acemicromatic.com

Aurangabad

T: +91 240 2552309
E: mmtaur@acemicromatic.com

Indore

T: +91 73899 39190
E: mmtindr@acemicromatic.com

Nasik

T: +91 253 6610254
E: mmtbom@acemicromatic.com

Pune - Chakan

T: +91 21 35322002
E: mmtpune@acemicromatic.com

Pune - Chinchwad

T: +91 98906 23217 / +91 20 40712111
E: mmtpune@acemicromatic.com

Kolhapur

T: +91 98906 23202 Service 95030 40941
E: mmtkop@acemicromatic.com

Mumbai

T: +91 22 26861009
E: mmtbom@acemicromatic.com

Mumbai - Thane

T: +91 22 25829062
E: mmtbom@acemicromatic.com

Pune - Shirur

T: +91 98906 23217
E: mmtpune@acemicromatic.com

Rajkot

T: +91 281 6548369
E: mmtraj@acemicromatic.com

SOUTH

Bangalore

T: +91 80 40200555
E: mmtblr@acemicromatic.com

Bangalore - Bommasandra

T: +91 80 27834836
E: mmtbms@acemicromatic.com

Belgaum

T: +91 99800 02597
E: mmtbgm@acemicromatic.com

Chennai - Ambattur

T: +91 98407 85520
E: mmtche@acemicromatic.com

Chennai - Sriperumbudur

T: +91 98407 85520
E: mmtche@acemicromatic.com

Chennai - Tambaram

T: +91 98407 85523
E: mmtche@acemicromatic.com

Coimbatore

T: +91 98432 65430
E: mmtcbe@acemicromatic.com

Hyderabad

T: +91 40 23070496
E: mmtthyd@acemicromatic.com

Ranipet

T: +91 98407 85521
E: mmtprt@acemicromatic.com

Trichy

T: +91 431 2443066
E: mmttry@acemicromatic.com

INTERNATIONAL

Germany

T: +49 1722316688
E: debjoyr@acemicromatic.com

China (Shanghai)

T: +86 (21) 5866 5031/32
E: raguramachandranc@acemicromatic.com

GROUP COMPANIES:



**ALL YOU
NEED IN
MACHINING**

Head Office:

MICROMATIC MACHINE TOOLS PVT. LTD.

240/241, 11th Main, 3rd Phase Peenya Industrial Area,
Bangalore - 560058 Ph: 080 - 4020 0555

E-mail : salesmmt@acemicromatic.com



acemicromatic.net

