



Manufacturing

EQUIPMENT LIST



DOOSAN 5 AXIS MILL

DHF 8000

CNC Mill

Envelope Size: X-57" Y-47" Z-59"

The Doosan DHF 8000 5-axis horizontal machining center expands Tessera's precision machining capacity to deliver high-value and complex hard-metal components.

CNC Mills

Equipment Description	Equipment Type	Machining Parameters	Envelope Size
Doosan DHF 8000	Horizontal Machining Center	CNC 5-Axis	X-57" Y-47" Z-59"
Doosan 4 Axis Mill (NHP 5000)	Horizontal Machining Center	CNC 4-Axis	X-29" Y-29" Z-34"
Doosan 3 Axis Mill (DNM 750L/50 II)	CNC 3-Axis Mill	3-Axis	X-85" Y-30" Z-25"
Haas VF3	CNC Vertical Mill	CNC 4-Axis	X-40" Y-20" Z-25"
Haas VF2	CNC Vertical Mill	CNC 3-Axis	X-30" Y-16" Z-20"
Haas VF4SS-1	CNC Vertical Mill	CNC 4-Axis	X-50" Y-20" Z-25"
Haas VF6SS	CNC Vertical Mill	CNC 5-Axis	X-64" Y-32" Z-30"
Haas VF7/50-1 with TR210 Trunnion	CNC Vertical Mill	CNC 5-Axis	X-84" Y-32" Z-30"
Haas VF7/50-2 with TR210 Trunnion	CNC Vertical Mill	CNC 5-Axis	X-84" Y-32" Z-30"
Haas VF4SS-2	CNC Vertical Mill	CNC Mill	X-50" Y-20" Z-25"

CNC Turning

Equipment Description	Equipment Type	Machining Parameters	Envelope Size
Doosan Turning Lathe 1 (PUMA DNT2100M)	CNC Turning Center	Live Tool Lathe	X-20" Z-11.8"
Doosan Turning Lathe 2 (PUMA DNT2600LM)	CNC Turning Center	Live Tool Lathe	X-40" Z-12.2"

Sheet Metal & Press

Equipment Description	Equipment Type
60 Ton Brake Press	Brake Press
33 Ton Amada Turret Punch Press	Turret Punch
Clicker Press 1	Clicker Press
Clicker Press 2	Clicker Press
Arbor Press 10 Ton	Arbor Press
Insertion Press 8 Ton	C-Squeeze / Insertion Press
Rousselle Clamp Press 1	Punch Press
Rousselle Clamp Press 2	Punch Press
Hydraulic Press Standing	Hydraulic Press

Water Jet

Equipment Description	Envelope Size
OMAX Waterjet	X-120" Y-62"

Saws & Material Processing

Equipment Description	Equipment Type
Horizontal Bandsaw	Horizontal Band Saw
Band Saw Vertical	Vertical Band Saw
Sunnen Hone Machine	Honing Machine

Manual Machining

Equipment Description	Equipment Type	Envelope Size
Knee Mill Power Draw, Power Knee, Power X&Y	Knee Mill	X-35" Y-12" Z-15"
Turret Milling Machine	Turret Mill	N/A
High Precision Surface Grinder	Surface Grinder	X-18" Y-6"

Quality Control

Equipment Description	Envelope Size
Wenzel XO107-2000 STD/CNC CMM	X-39" Y-79" Z-28"

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