

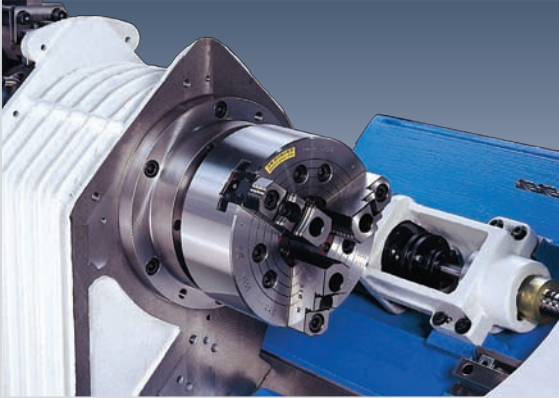


DUGARDEAGLE 200HT / 200MC

Slant Bed, High Precision CNC Lathes



EAGLE 200HT



Rigid, High Precision Spindle Unit

Model Eagle 200HT

The spindle runs in large diameter high precision angular contact ball bearings combined with cartridge spindle design for outstanding stability and precision



High Precision Spindle Unit

Model Eagle 200MC

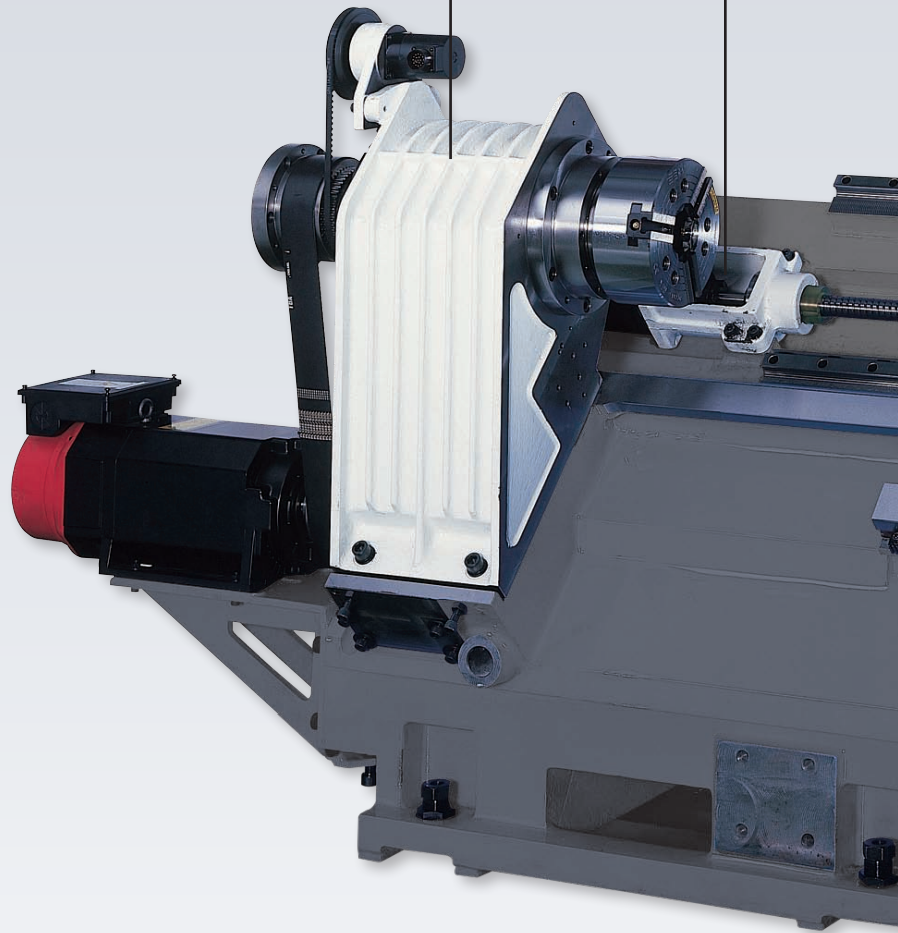
High accuracy C axis spindle indexing system with spindle driven by high precision C axis servo motor provide high resolution feedback

45° Slant Bed

Heavy duty cast construction allowing optimum chip clearance

Headstock

Massive ribbed casting for maximum heat dissipation with large bed contact area for maximum rigidity



Options include

- 250mm 3 jaw hydraulic chuck
- Parts catcher
- Chip conveyor
- Bar feed

Hydraulic Tailstock

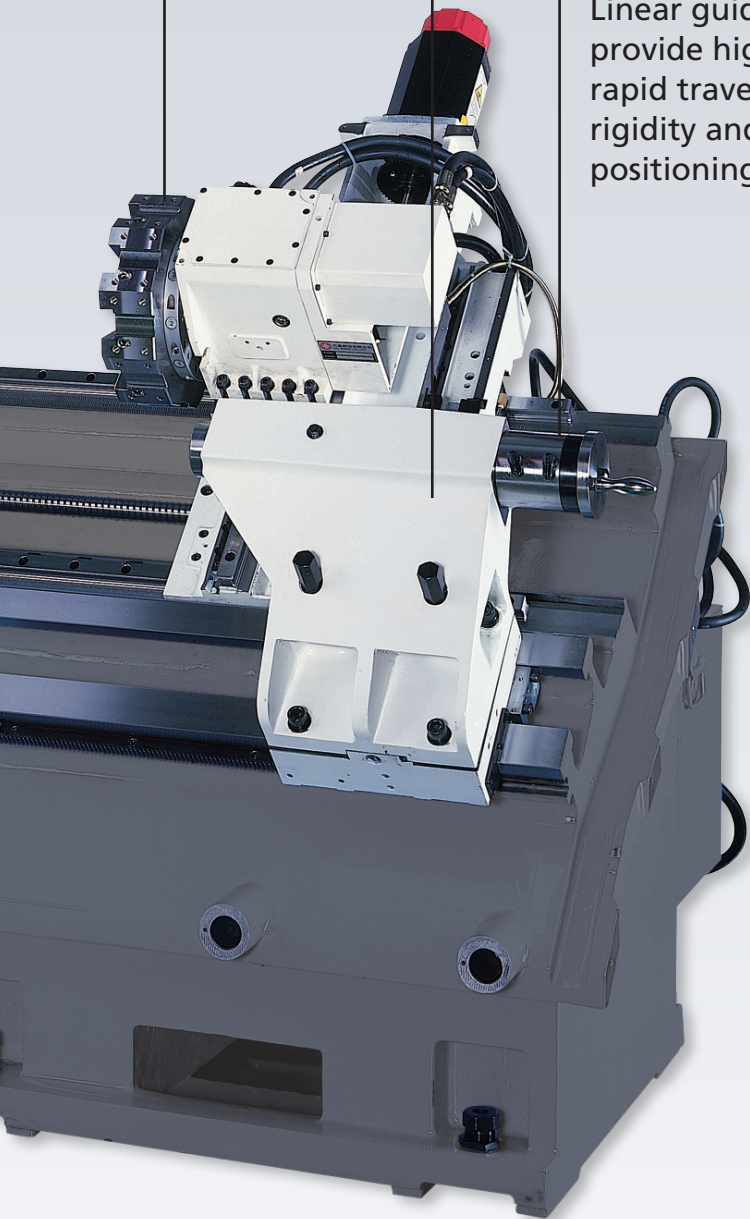
Quill can be controlled by programme or manually, auto sensing device to control pressure. Programmable body optional

Turret

High speed, heavy duty construction. Outstanding rigidity and accuracy

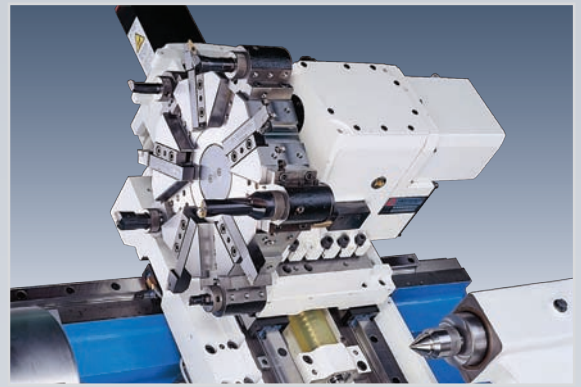
30m/min Rapids, X & Z Axes Linear Guideways

Linear guideways provide high speed rapid traverses, high rigidity and precise positioning



Efficient Chip Removal System

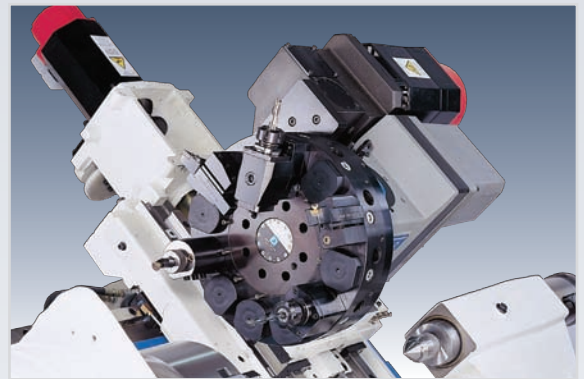
Pull out swarf and coolant tray keeps downtime to a minimum and allows for easy integration of a chip conveyor



10 Tool Hydraulic Cam Turret Model Eagle 200HT

High Speed,
High Precision

The compact hydraulic cam operated turret has a tool capacity for 10 tools. The extremely fast tool change from tool to tool is completed in only 0.3 seconds. Outstanding accuracy of repeatability up to 0.002mm



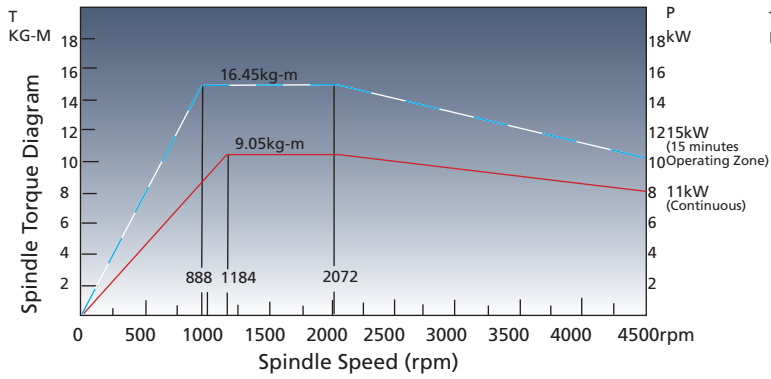
Servo Turret Model Eagle 200MC Combine Milling and Turning in One

- The advanced servo turret employs the latest tool selection system, featuring the fastest tool change
- 3 disc clutch gears design provides high accuracy positioning with fast hydraulic locking
- The extremely fast tool change from tool to tool is completed in only 0.2 seconds
- Versatile functions include drilling, milling, turning, tapping and end milling that greatly upgrades machining efficiency

Spindle Motor

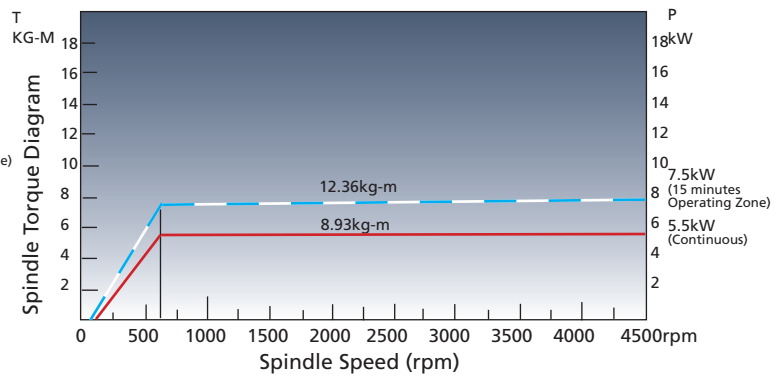
EAGLE 200HT

Fanuc



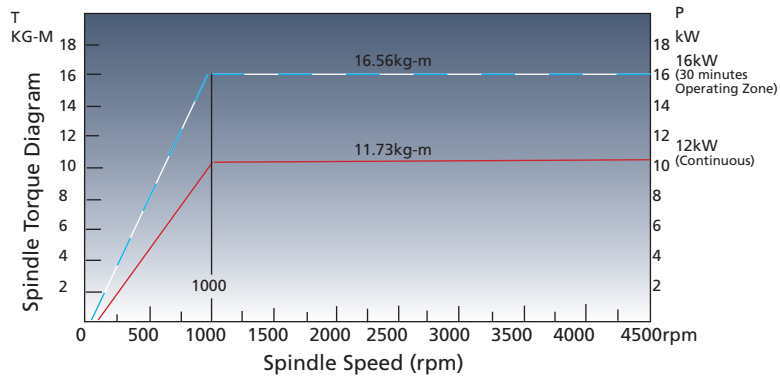
EAGLE 200MC

Fanuc



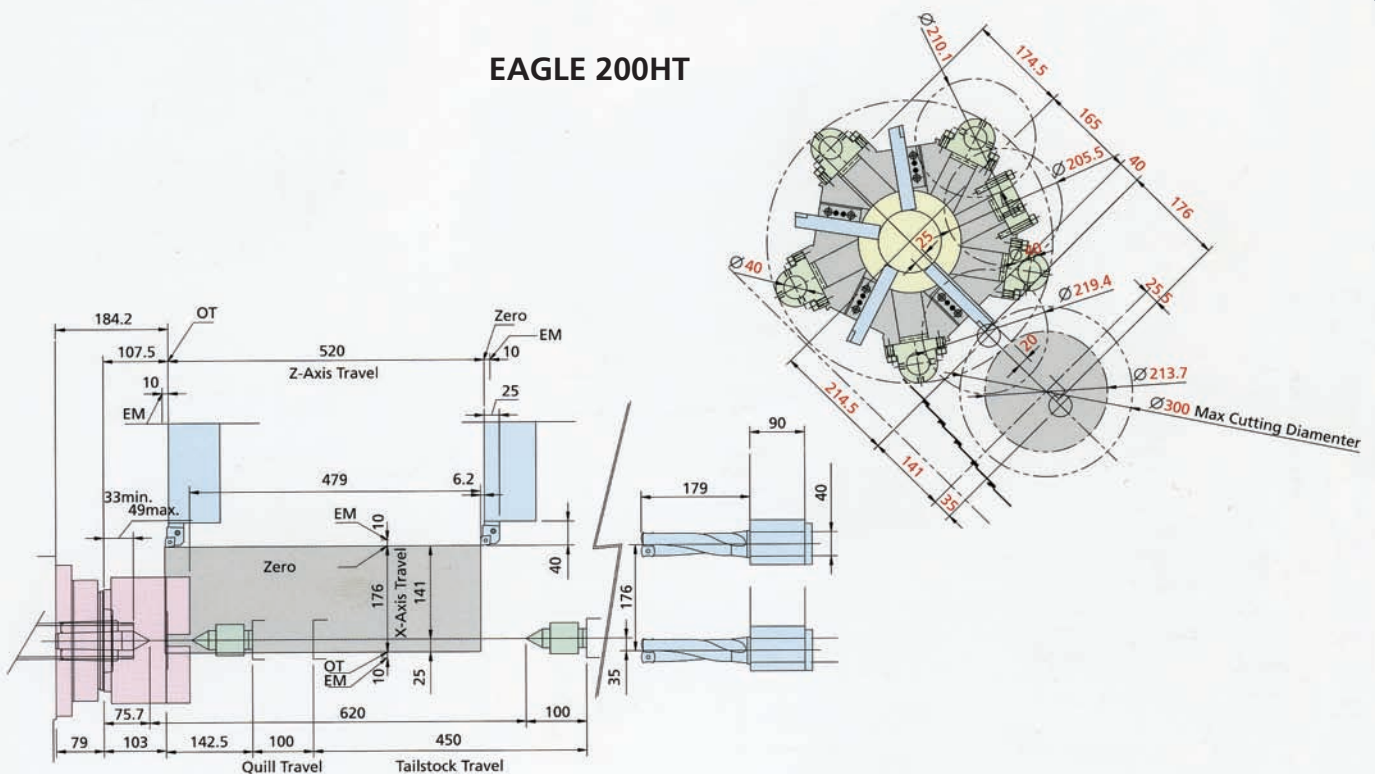
EAGLE 200HT

Siemens

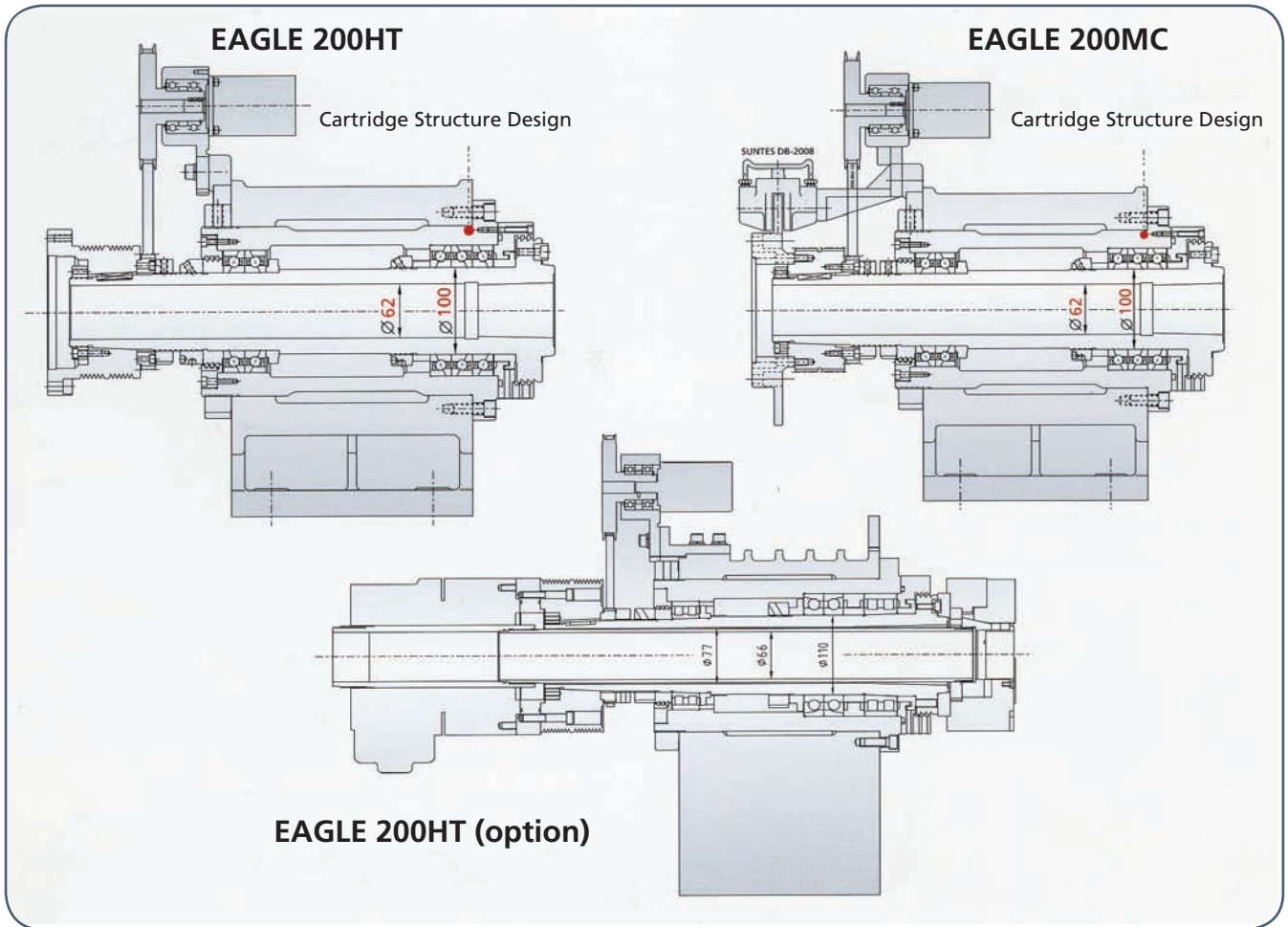


Working Capacity

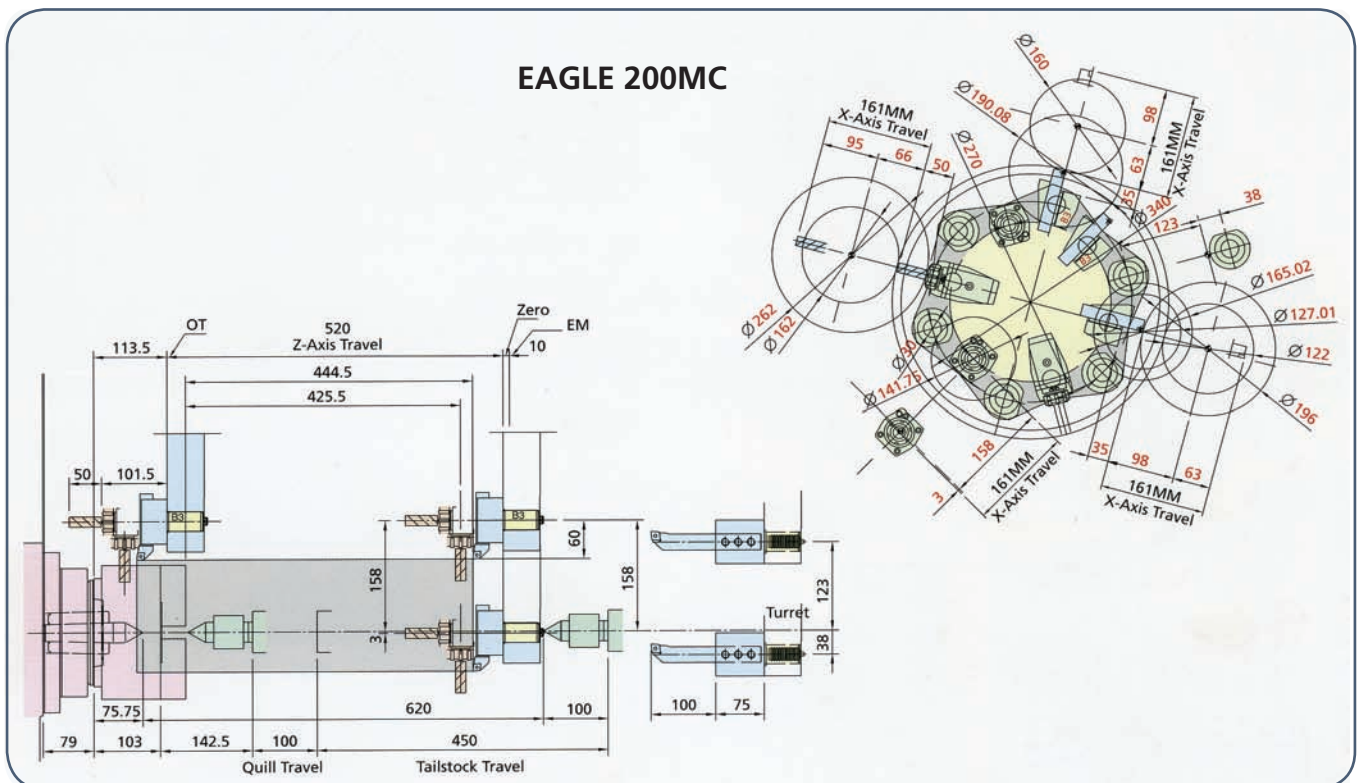
EAGLE 200HT



Spindle Structure

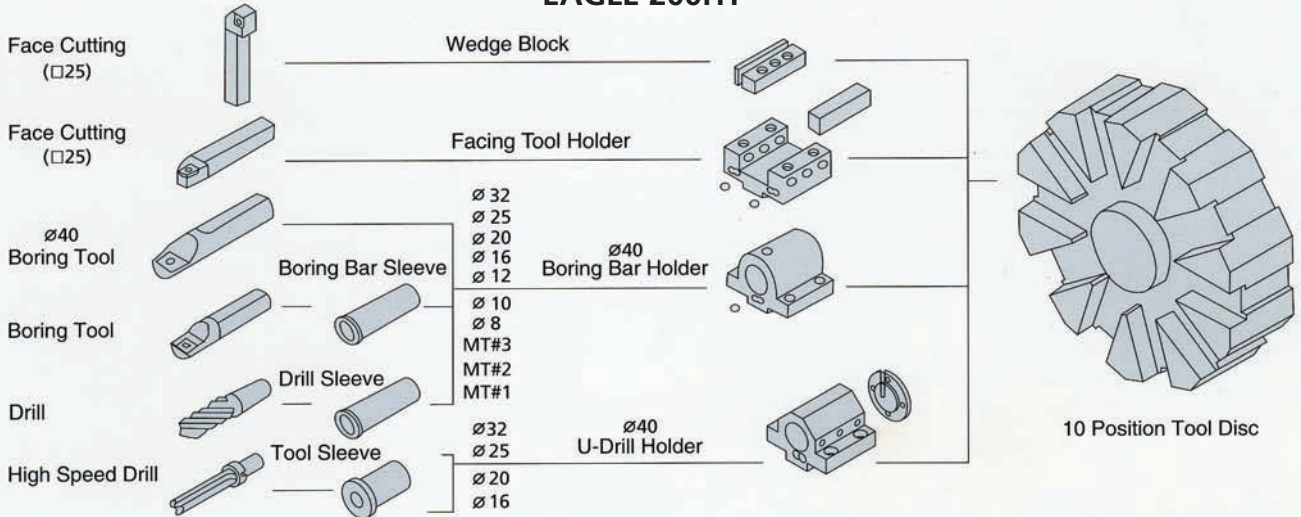


Working Capacity

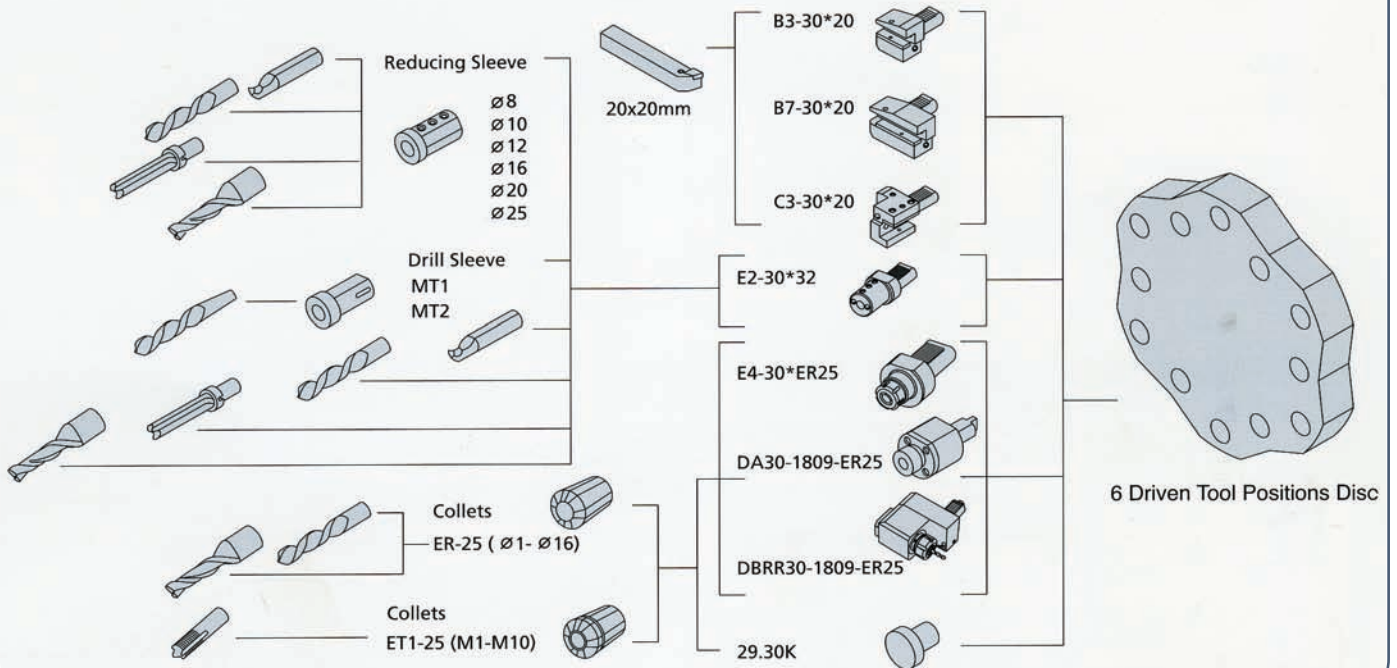


Tooling System

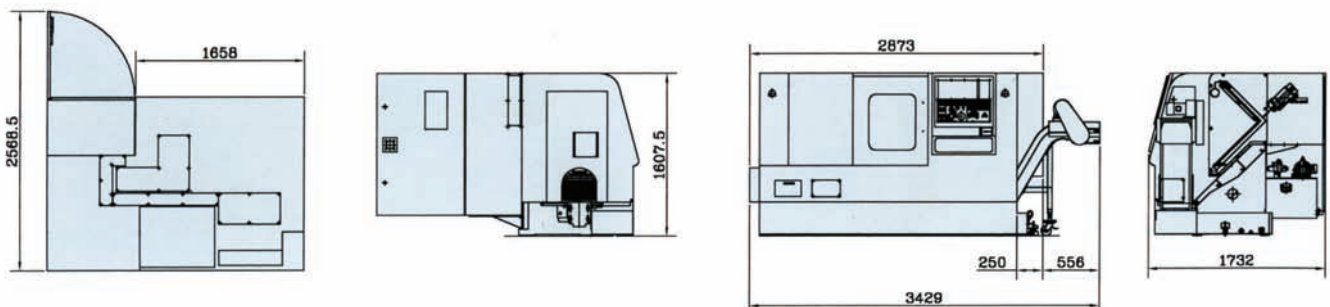
EAGLE 200HT



EAGLE 200MC



Machine Dimensions



Specification	Eagle 200HT	Eagle 200MC
Capacity		
Swing over bed	Ø470mm	Ø470mm
Max cutting diameter	Ø300mm	Ø196mm
Max cutting length	479mm	445mm
Headstock		
Spindle power	15kW	7.5kW
Spindle nose	ASA A2-6	ASA A2-6
Spindle speed	4500rpm	4500rpm
Spindle runout	0.003mm	0.003mm
Bar capacity	Ø65mm	Ø52mm
Travels		
X axis	176mm	161mm
Z axis	520mm	520mm
Feedrates		
Rapid traverse X axis	30m/min	30m/min
Rapid traverse Z axis	30m/min	30m/min
Accuracy		
Positioning X axis	0.002mm	0.006mm
Positioning Z axis	0.003mm	0.006mm
Repeatability X axis	±0.00125mm	±0.002mm
Repeatability Z axis	±0.0025mm	±0.003mm
Turret		
Type	servo	servo
Number of tools	10 / 12 (opt)	12 - VDI 30
Tool shank	□25 x 25mm	□20 x 20mm
Boring bar size	Ø40mm	Ø32mm
Index time (next tool)	1.1 sec	0.2 sec
Index time (180°)	0.3 sec	0.7 sec
Tailstock		
Tailstock body travel	450mm	450mm
Quill travel	100mm	100mm
Quill diameter	Ø75mm	Ø75mm
Quill taper hole	MT - 4	MT - 4
Quill activation	hydraulic	hydraulic
Tailstock body positioning	manual / auto (opt)	manual / auto (opt)
General Specifications		
Floor space	2873 x 1732mm	2873 x 1732mm
Net weight (approx)	3900kg	3950kg

*Specifications are subject to change without prior notice

Standard Accessories

- Boring bar bushes (6pcs)
(Ø8, Ø10, Ø12, Ø16, Ø20, Ø25) x OD 32
- Servo 10 tool turret
- Face cutting holder 2 sets
- Boring bar holder 5 sets
- Hydraulic tailstock with MT #4 quill
- Through bore 8" hydraulic chuck
- Set of leveling bolts and pads
- End of programme light
- 1 set soft jaws
- 1 set hard jaws

- Coolant system
- Grease lubrication
- Worklight
- Tool kit

Optional Accessories

- Live tooling (C axis)
- Parts catcher
- Extra hard/soft jaws
- Bar feed
- Bar feed interface
- High pressure coolant pump
- Programmable tailstock body
- Foot pedal for tailstock
- Manual tool setting probe
- Chip conveyor/chip bin
- VDI 30 turret



www.dugard.com



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