

DUGARD

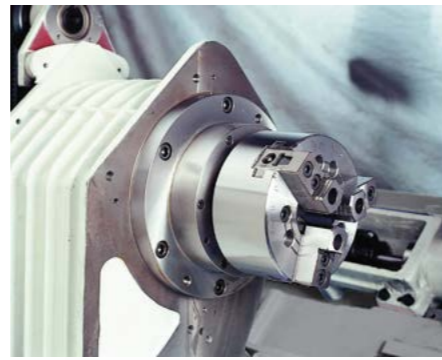
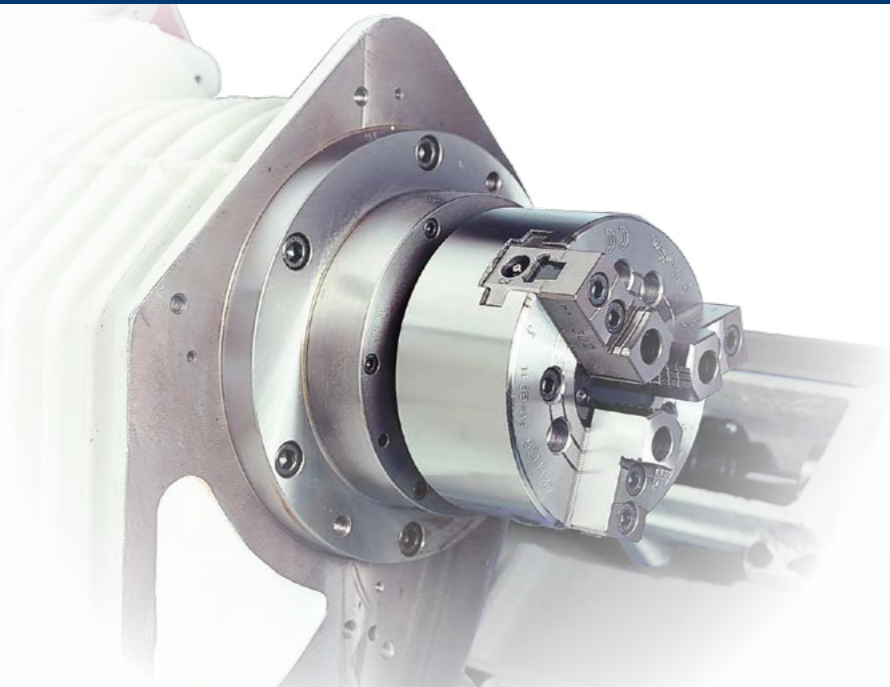
Machine Tools That Create Solutions Since 1939

Dugard 100 / 100P Slant Bed, High Precision CNC Lathes



Extend your competitive edge with Dugard 100 Series CNC lathe

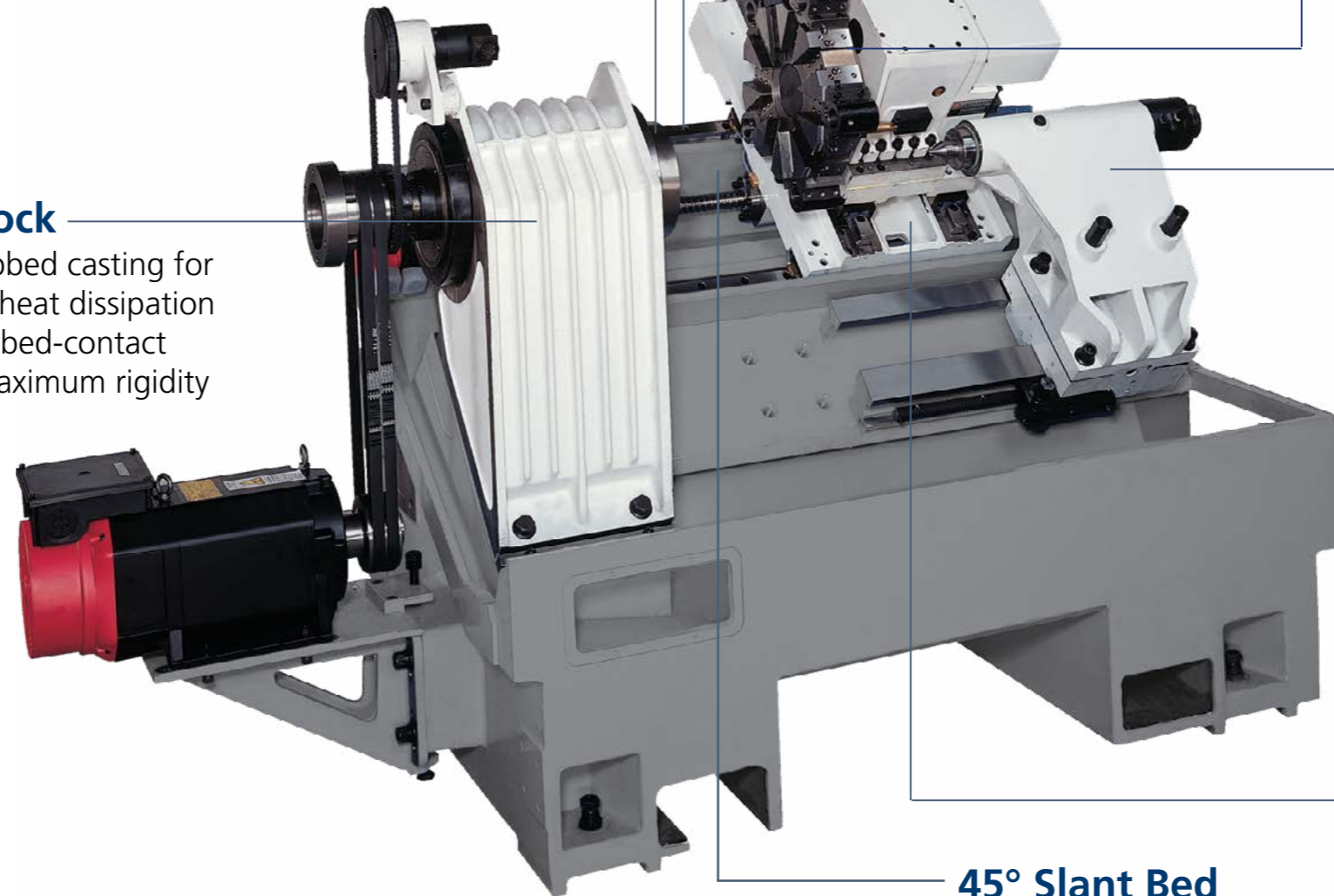
If efficient and profitable parts turning is your goal, you need to look into the Dugard 100 Series Slant Bed High Precision Lathe. The Dugard 100 Series is a high speed CNC lathe with precision and capacity to meet your requirements with unsurpassed accuracy. With rugged construction throughout, the Dugard 100 is built to give you maximum rigidity and stability for high speed machining.



Hydraulic Power Chuck with Foot Pedal Control

Headstock

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

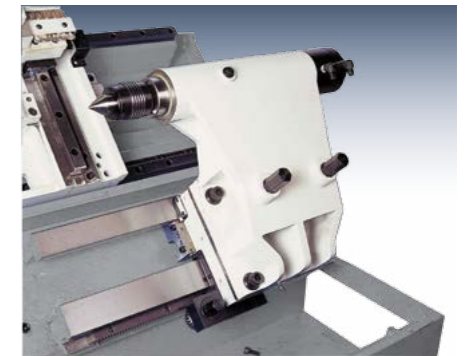


30m/min Rapids, X & Z Axes Linear Guideways

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

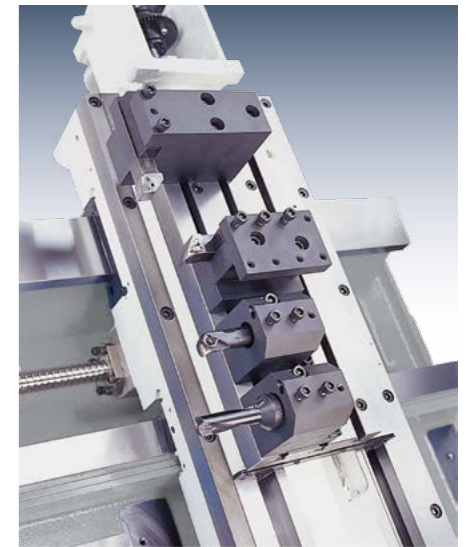
12 Tool Turret (Dugard 100 only)

High speed, heavy duty construction. Outstanding rigidity and accuracy



Hydraulic Tailstock

Quill can be controlled by programme or manually, auto sensing device to control pressure



45° Slant Bed

Heavy duty cast construction allowing optimum chip clearance

Efficient Chip Removal System

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



Platen Tooling on Dugard 100P

The platen accommodates 6 tools for efficient machining

State of the Art CNC Controls

Makes turning a fast and easy operation

Standard Control



Fanuc 0iTD

- 8.4" TFT LCD colour monitor
- New D series high speed
- PC flash card storage
- Industry standard programming



Various interfaces for programme saving, loading and software updating including:

- CF memory card
- RS-232C
- Ethernet



Other Available Controls



PC based

- 15" TFT LCD colour monitor
- Fanuc compatible
- Conversational graphic display
- 2.1GB standard hard disk memory

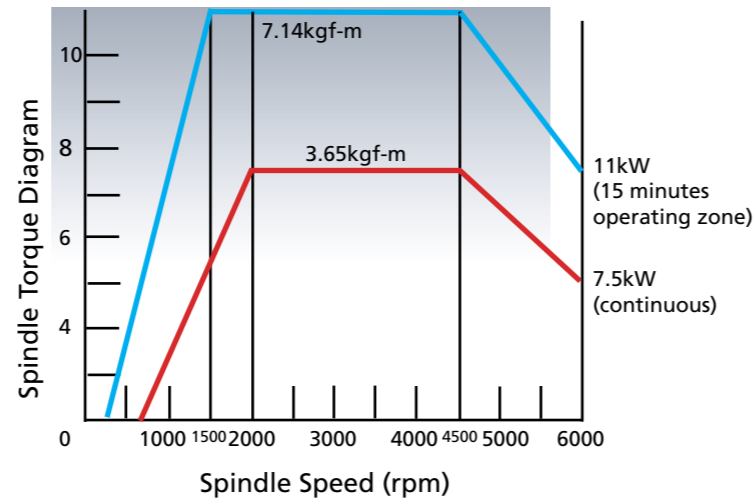


Siemens 828D

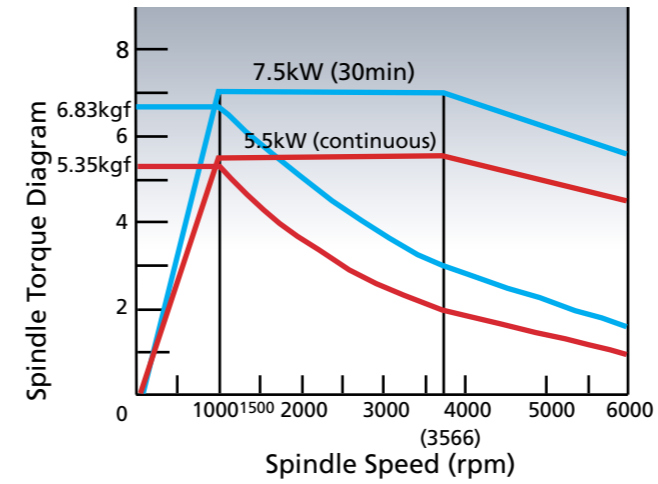
- 10.4" TFT LCD colour monitor
- Shopmill conversational programming
- Super high speed
- USB/PC card storage

Spindle Motor

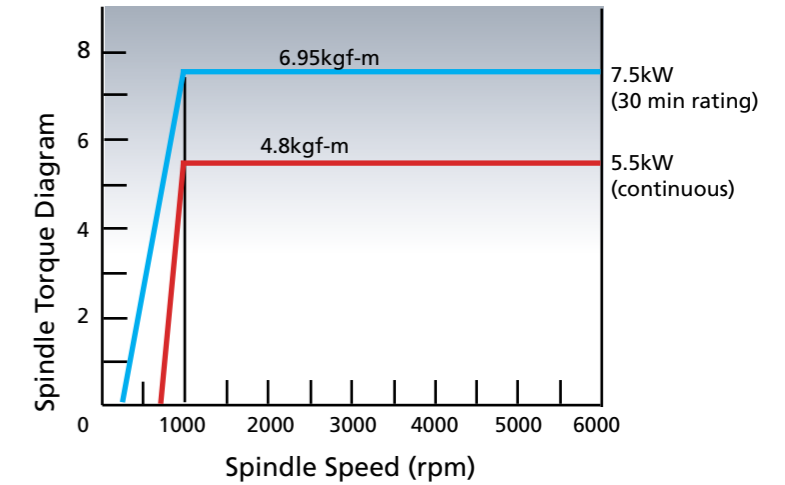
Fanuc



Siemens



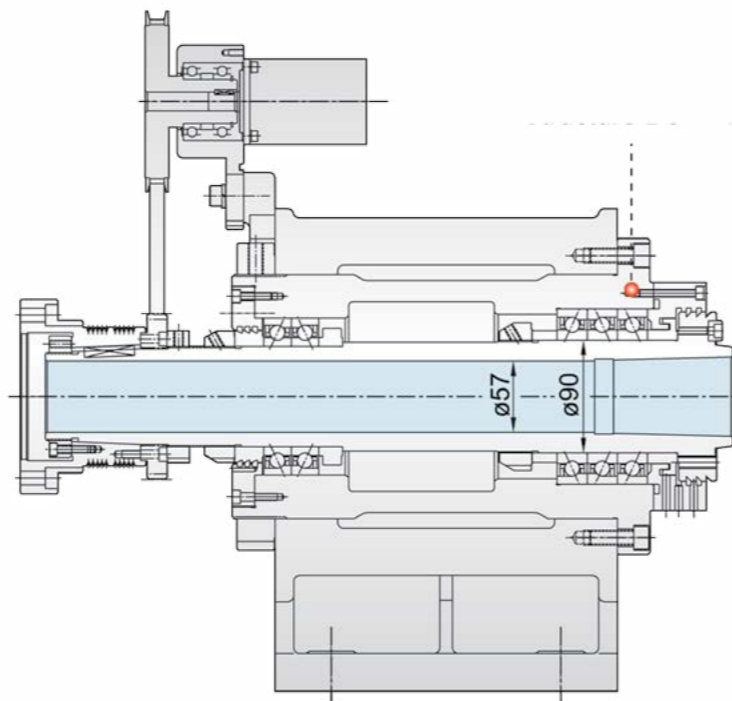
Syntec P-C Based



Rigid Head-Stock

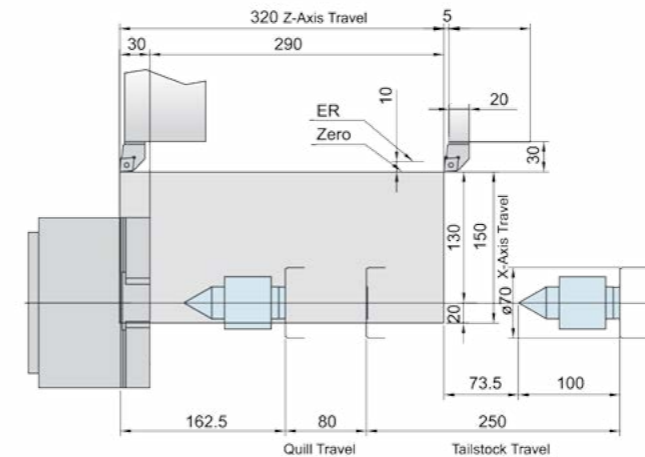
High precision spindle

The spindle employs large diameter angular contact bearings, making the machine excellent for heavy-duty and high precision metal cutting

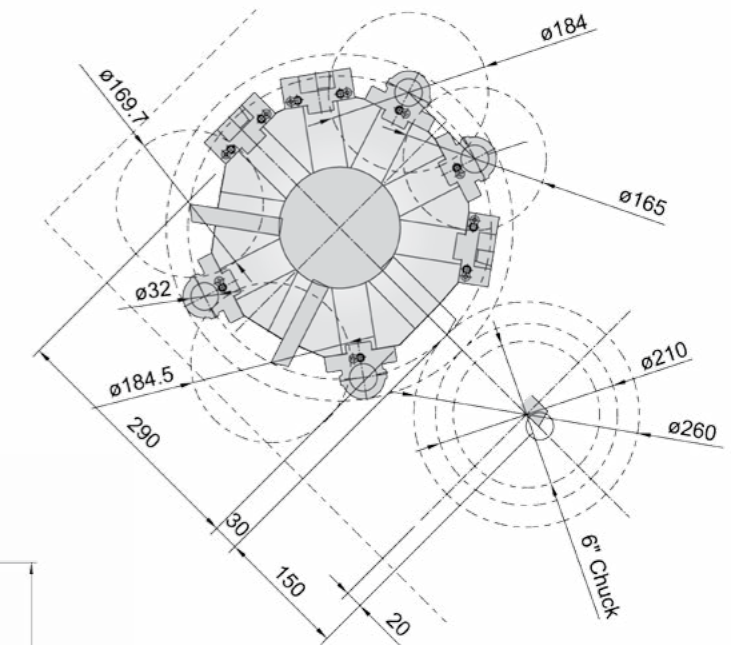


Working Capacity

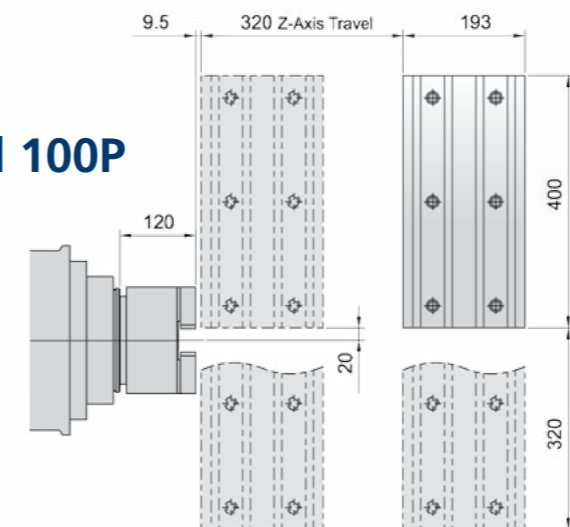
Dugard 100



Dugard 100

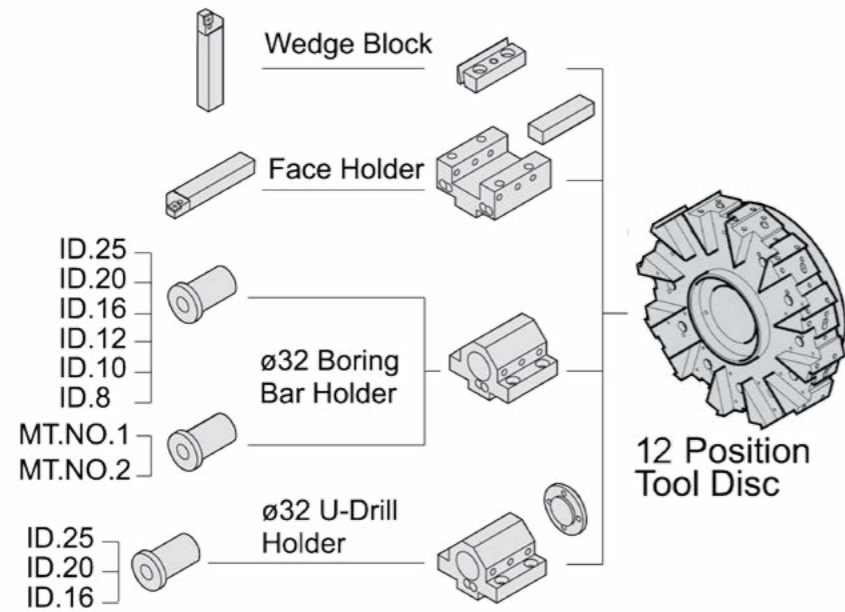


Dugard 100P

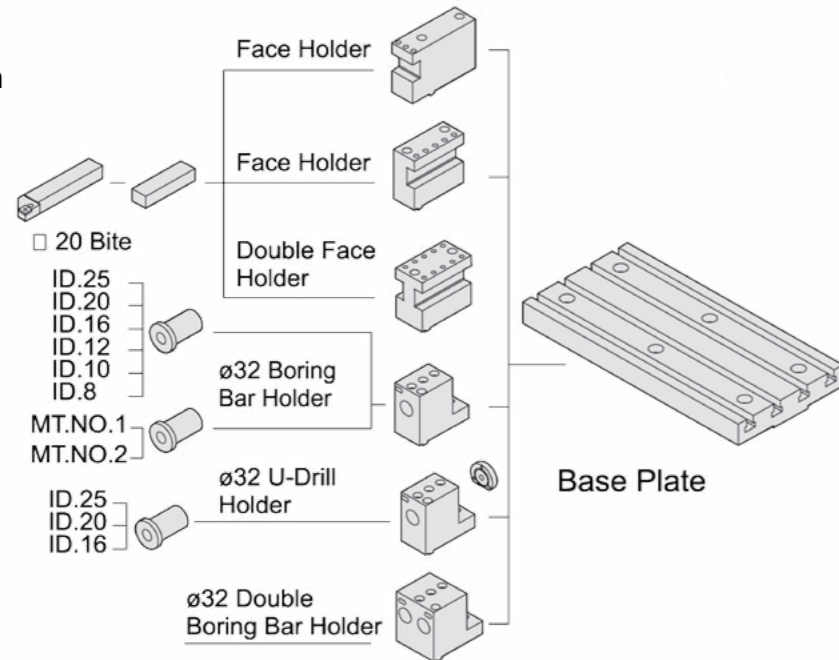


Tooling System

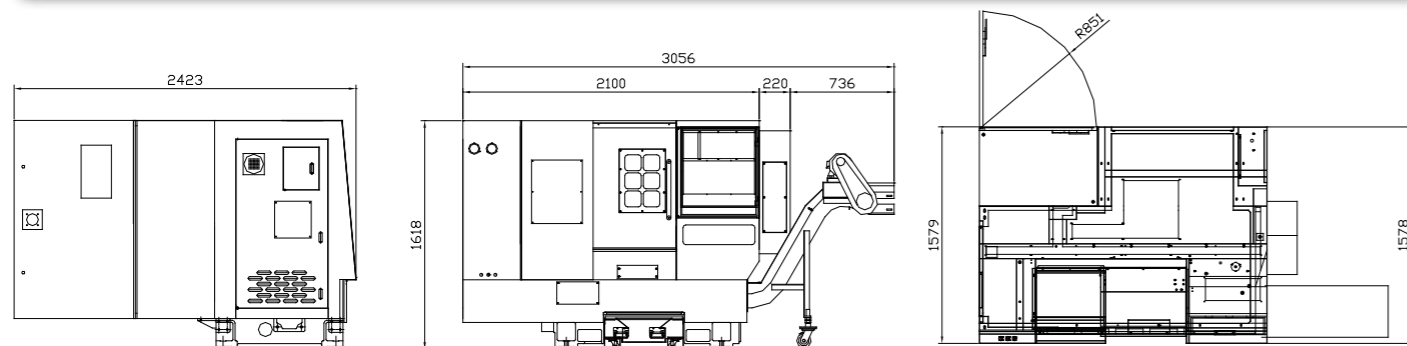
Dugard 100 12-Tool Turret



Dugard 100P 6-Station Platen



Machine Dimensions



Specification	Dugard 100P Platen Style	Dugard 100 Turret
Capacity		
Swing over bed	Ø470mm	Ø470mm
Swing over carriage	Ø140mm	Ø284mm
Max cutting diameter	Ø280mm	Ø260mm
Standard cutting diameter	Ø138mm	Ø210mm
Max cutting length	290mm	290mm
Headstock		
Spindle nose	ASA A2-5	ASA A2-5
Spindle bore diameter	Ø62mm	Ø62mm
Spindle speed	6000rpm	6000rpm
Spindle runout	0.003mm	0.003mm
Bar capacity	Ø52mm	Ø52mm
Travels		
X axis	320mm	150mm
Z axis	320mm	320mm
Rapid traverse -X axis	30m/min	30m/min
Rapid traverse -Z axis	30m/min	30m/min
Turret		
Type	Platen	Servo
Number of tools	6	12
Tool shank	20 x 20mm	20 x 20mm
Boring bar size	Ø32mm	Ø32mm
Tailstock		
Tailstock body travel		250mm
Quill travel		80mm
Quill diameter		Ø70mm
Quill taper		MT-4
Quill activation		hydraulic
Tailstock body positioning		manual
General Specification		
Floor space	2100 x 1600mm	2100 x 1600mm
Net weight	2700kg	2800kg

*Specifications are subject to change without prior notice

Standard Accessories

1. Boring bar bushes (6pcs) (Ø8, Ø10, Ø12, Ø16, Ø20, Ø25) x OD 32
2. 6-station platen style turret (std in Dugard 100P)
3. Hydraulic 12 tool turret (std in Dugard 100)
4. Hydraulic tailstock with MT-4 quill (std in Dugard 100 only)
5. Through bore 6" hydraulic chuck
6. Big bore 6" chuck 52mm bar capacity
7. Set of leveling bolts and pads
8. End of programme light
9. 1 set soft jaws
10. Coolant system
11. Grease lubrication
12. Worklight
13. Tool kit

Optional Accessories

1. Parts catcher
2. Extra hard/soft jaws
3. Bar feed
4. Bar feed interface
5. High pressure coolant pump
6. Foot pedal for tailstock
7. Manual tool setting probe
8. Auto tool setting probe
9. Chip conveyor/chip bin (rear or side exit)
10. VDI turret
11. VDI tool holders

DUGARD Machine
Tools

75 Old Shoreham Road
Hove
East Sussex
BN3 7BX
www.dugard.com
sales@dugard.com
01273 732286
