

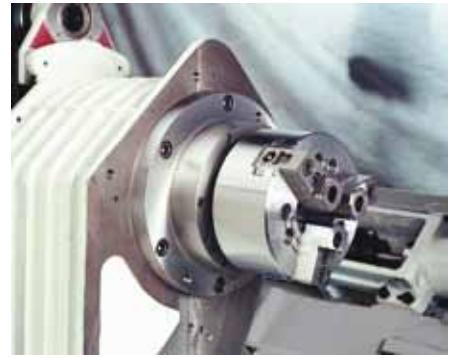
DUGARD

Machine Tools Since 1939

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



www.dugard.com



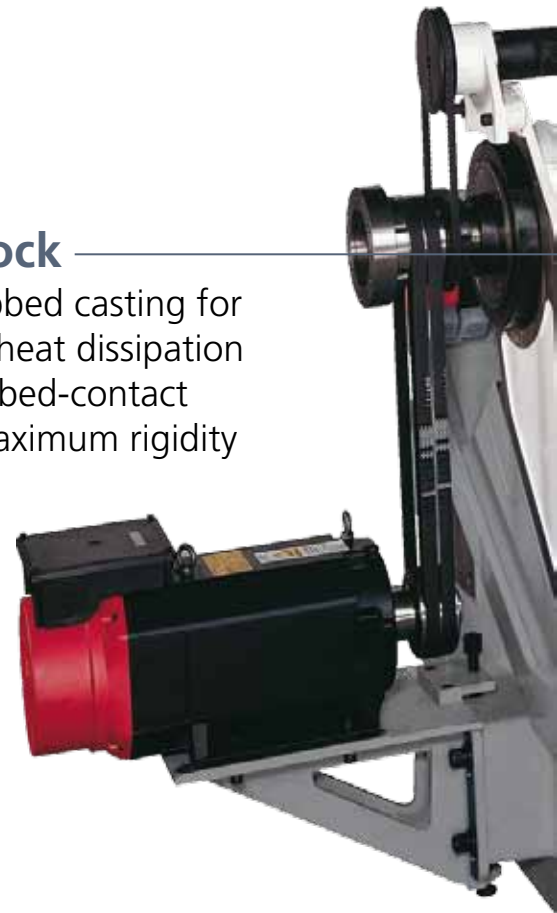
**Hydraulic Power
Chuck with Foot
Pedal Control**

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.

Headstock

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

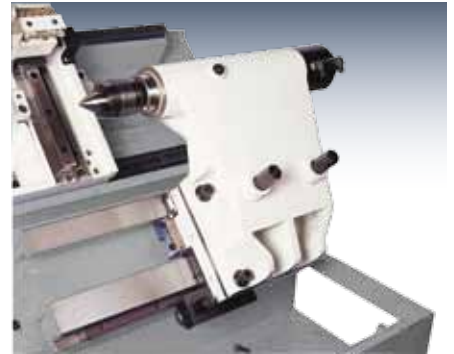


30m/min Rapids, X & Z Axes Linear Guideways

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

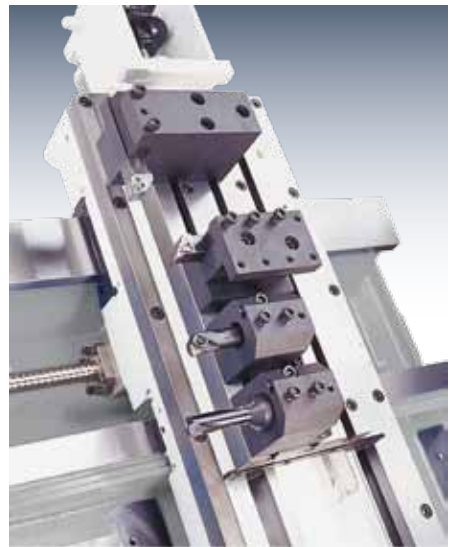
12 Tool Turret (Dugard 100 only)

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



Platen Tooling on Dugard 100P

The platen accommodates 6 tools for efficient machining

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

Dugard 100

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

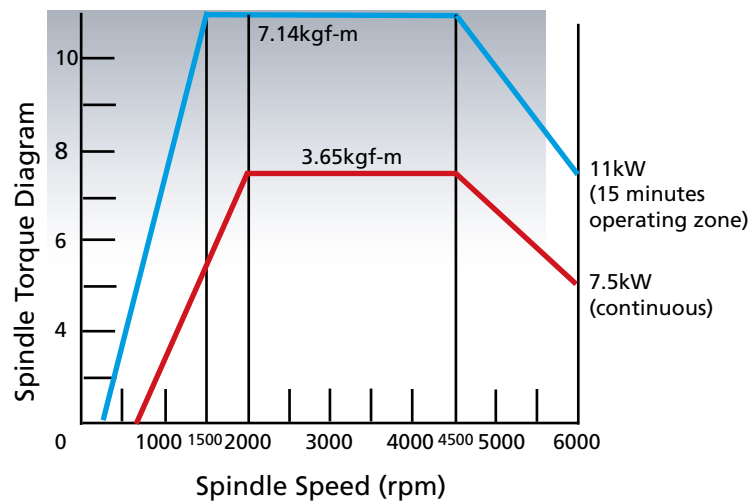


Siemens 828D

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

Spindle Motor

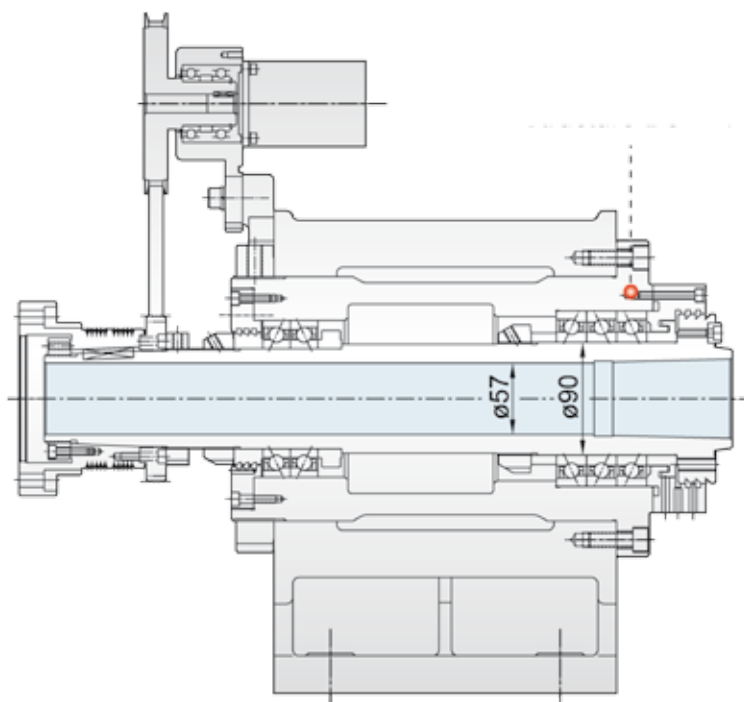
Fanuc



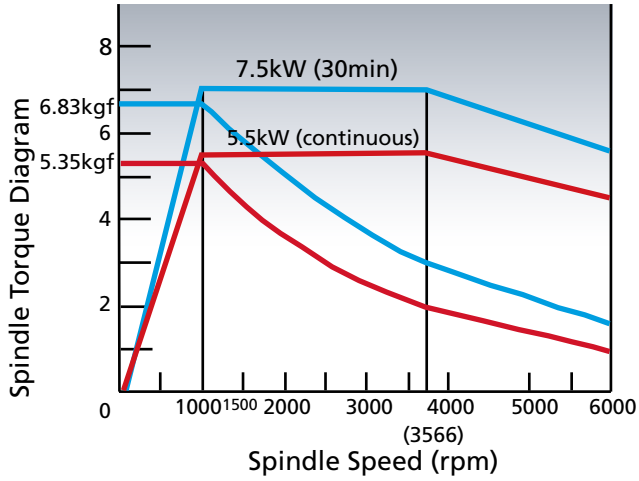
Rigid Head-Stock

High precision spindle

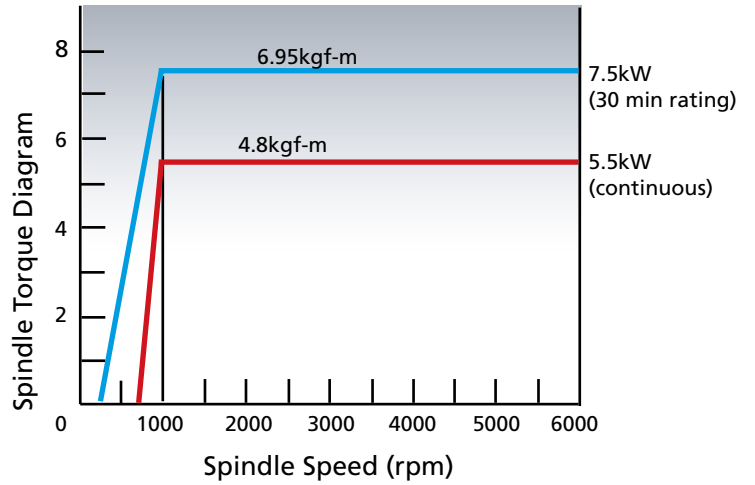
The spindle employs large diameter angular contact bearings, making the machine excellent for heavy-duty and high precision metal cutting



Siemens

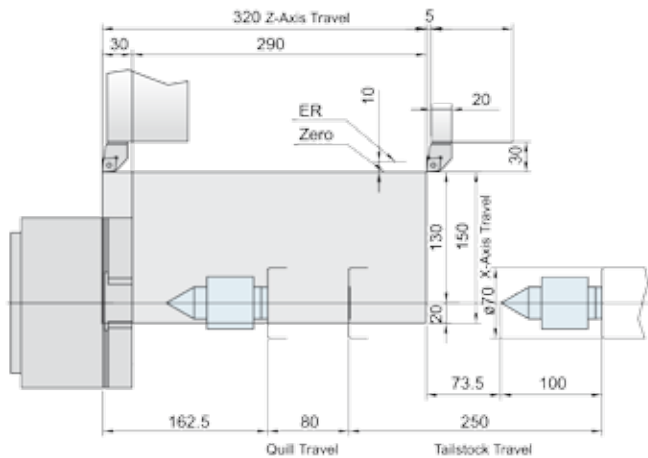


Syntec P-C Based

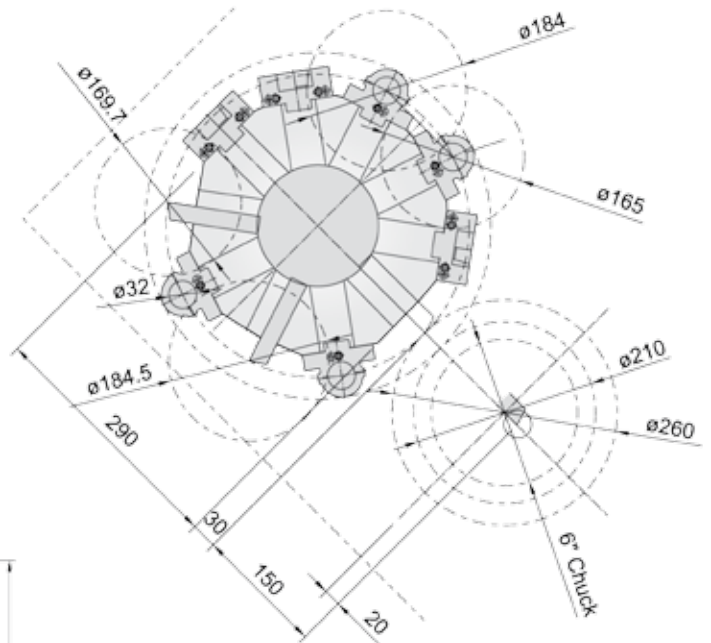


Working Capacity

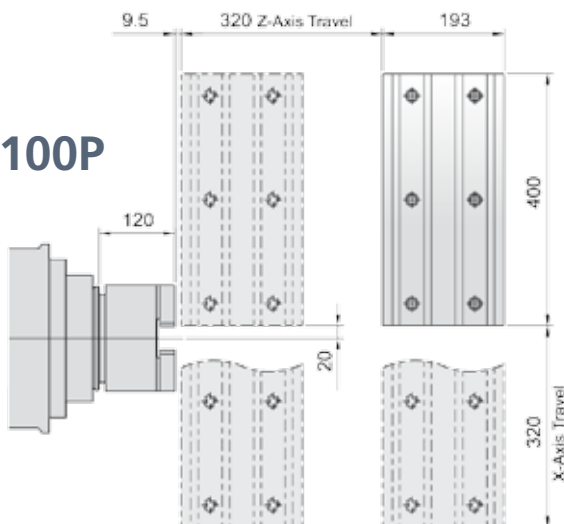
Dugard 100



Dugard 100



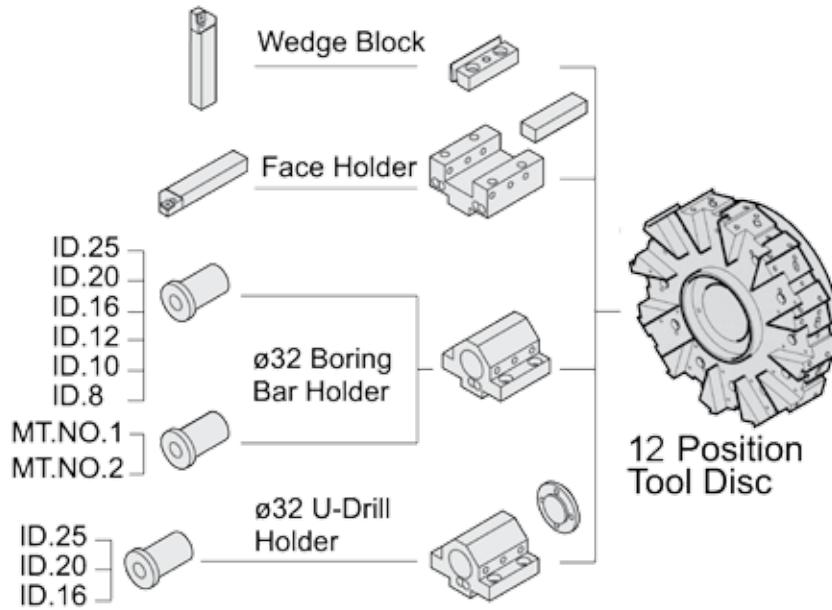
Dugard 100P



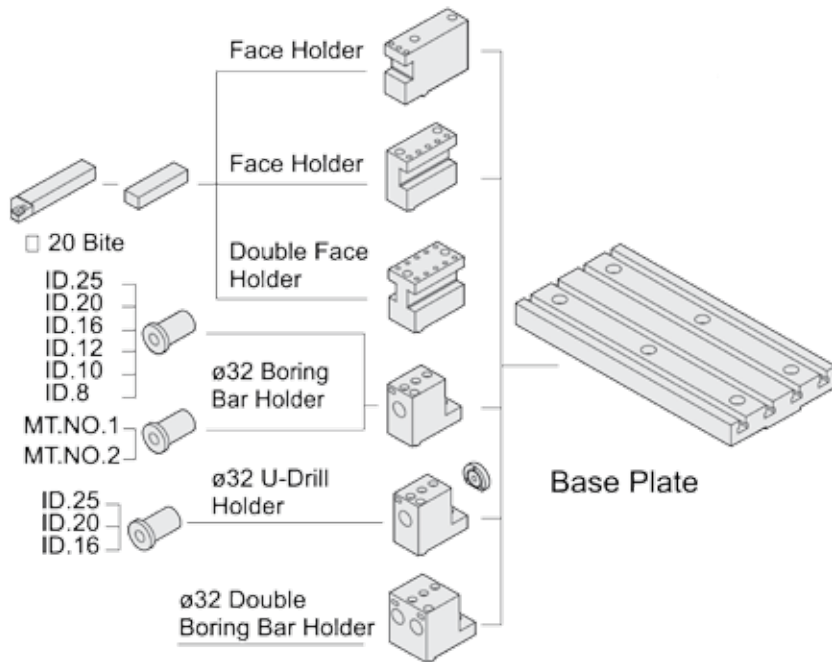
Dugard 100

Tooling System

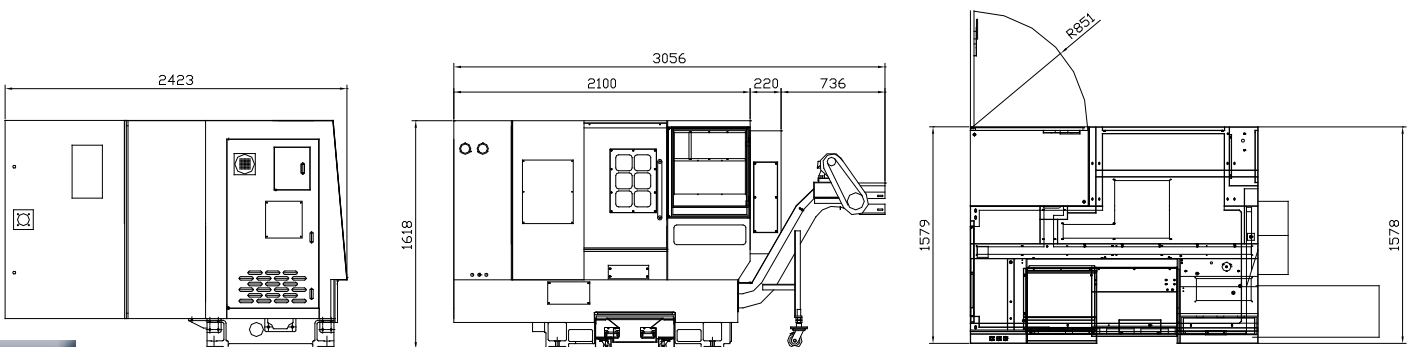
Dugard 100 12-Tool Turret



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 | Ø20 x 20mm | Ø20 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

European headquarters for Dugard CNC Machine Tools

DUGARD.com

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