

DUGARD

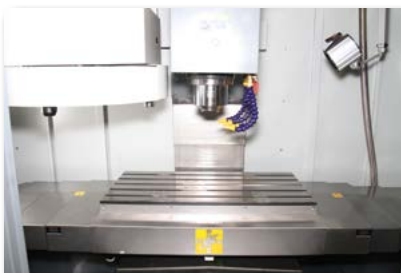
Machine Tools That Create Solutions Since 1939

DUGARD
LUNAN

Dugard **Lunan**

Vertical Machining Centres

Cost effective vertical machining centres



DUGARD Machine
Tools

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Perfect starter VMCs - a small footprint and an unbelievably low price

By limiting the specification and reducing machine options on the Dugard Lunan range of VMCs we can give you all the functionality you need while keeping the price ultra low



Dugard Lunan 500A

- 500/320/400mm - X/Y/Z travel
- 800 x 320mm table
- 5.5kW spindle drive
- 10,000rpm max spindle speed (GSK)
- 9,000rpm max spindle speed (Siemens)
- 10,000rpm max spindle speed (Fanuc)
- 1~5,000mm/min feed rate
- 10 station umbrella type ATC
- BT40 spindle
- 1660 x 2060 footprint



Dugard Lunan 800A

- 800/500/580mm - X/Y/Z travel
- 1050 x 500mm table
- 7.5/11kW spindle drive
- 8,000rpm maximum spindle speed (10,000rpm opt)
- 1~5,000mm/min feed rate
- 20 station umbrella type ATC
- BT40 spindle (CAT40 opt)
- 2150 x 2760 footprint



Dugard Lunan 600A

- 600/450/500mm - X/Y/Z travel
- 800 x 450mm table
- 5.5/7.5kW spindle drive
- 8,000rpm max spindle speed (10,000rpm opt)
- 1~5,000mm/min feed rate
- 16 station umbrella type ATC
- BT40 spindle
- 2150 x 2450 footprint

Choice of digital controls

Choice of various controls to meet your requirements. Each one features user-friendly operation, powerful functions and maximum dependability



GSK 218M

- PC based control
- Full function, industry standard G Code programming
- USB/RS232/ethernet
- 10,000rpm max spindle speed



Fanuc OiMate

- 8.4" TFT LCD colour monitor
- New D series high speed series
- Industry standard programming
- USB/PC card storage
- 10,000rpm max spindle speed



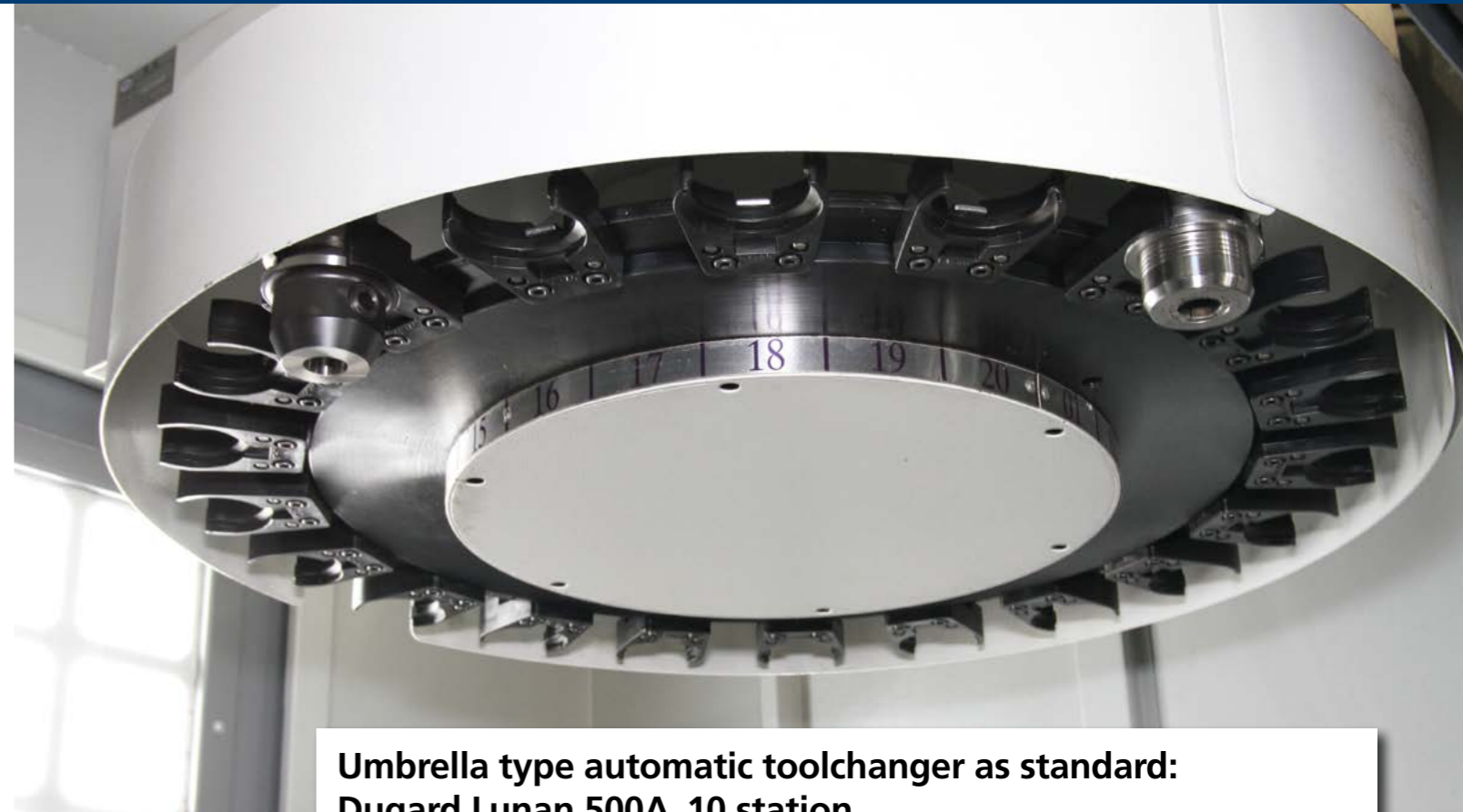
Siemens 828D

- 8.4" monitor
- Shopmill conversational programming
- Super high speed
- USB/PC card storage/ethernet
- 9000rpm max spindle speed

* All 3 controls can run a 4th axis unit, giving more options to machine complex parts



Featuring a rigid high speed spindle with BT40 spindle taper across the range



Umbrella type automatic toolchanger as standard:
Dugard Lunan 500A 10 station
Dugard Lunan 600A 16 station
Dugard Lunan 800A 20 station (24 station twin arm ATC opt)



Well lit and guarded working area with good coolant supply and swarf clearance



Chip screw as standard - makes swarf removal from the machine easy and automatic, it also helps coolant to drain from the swarf before leaving the machining area.

Specification	Dugard Lunan 500A	Dugard Lunan 600A	Dugard Lunan 800A
Travel			
X axis travel	500mm (linear way)	600mm (linear way)	800mm (linear way)
Y axis travel	320mm (linear way)	450mm (linear way)	500mm (linear way)
Z axis travel	400mm (linear way)	500mm (linear way)	580mm (box way)
Spindle nose to table	120~520mm	130~630mm	110~660mm
Spindle centre to column	360mm	485mm	560mm
Table			
Table size	800 x 320mm	800 x 450mm	1050 x 500mm
T slot no x width x table distance	3 x 18 mm x 100mm	3 x 18mm x 160mm	5 x 18mm x 90mm
Table load	300kg	600kg	600kg
Spindle			
Taper size	BT40	BT40	BT40 (CAT40 opt)
Speed	10,000rpm (GSK) 9,000rpm (Siemens) 10,000rpm (Fanuc)	8000rpm (10,000rpm opt)	8000rpm (10,000rpm opt)
Spindle power	5.5kW	5.5/7.5kW	7.5/11kW
Feed			
Rapid feed X/Y/Z	18/18/18 m/min	24/24/24 m/min	20/20/18 m/min
Feed rate	1~5000 mm/min	1~5000 mm/min	1~5000 mm/min
Accuracy			
Positioning	X 0.012mm / Y 0.01mm / Z 0.01mm	X 0.012mm / Y 0.01mm / Z 0.01mm	X 0.012mm / Y 0.01mm / Z 0.01mm
Repeatability	X 0.008mm / Y 0.006mm / Z 0.006mm	X 0.008mm / Y 0.006mm / Z 0.006mm	X 0.008mm / Y 0.006mm / Z 0.006mm
ATC			
Tool storage capacity	10 station, umbrella type	16 station, umbrella type	20 station, umbrella type
Max tool diameter	100mm	100mm	100mm
Max tool length	200mm	200mm	200mm
Max tool weight	5kg	5kg	5kg
Tool change time	6 secs	6 secs	6 secs
General			
Pneumatic pressure	0.6MPa	0.6MPa	0.6MPa
Machine size (L x W x H)	1660 x 2060 x 2300mm	2150 x 2450 (3000 with swarf auger) x 2500mm	2150 x 2760 (3550 with swarf auger) x 2450mm
Weight	2500kg	4200kg	5700kg

*Specifications are subject to change without prior notice

Standard Equipment

- Linear guide-ways
- Umbrella type ATC
- High speed spindle unit
- Pneumatic tools clamping and releasing system
- Air cooling
- Full splash guard
- Interval auto-lubricating
- Chip flushing

Machine Options

- Choice of 4th axes
- 10,000rpm spindle speed (600A/800A)
- 24 station twin arm tool changer (800A)
- Choice of mechanical indexers (800A)
- Spindle and tool setting probe options (800A)



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