

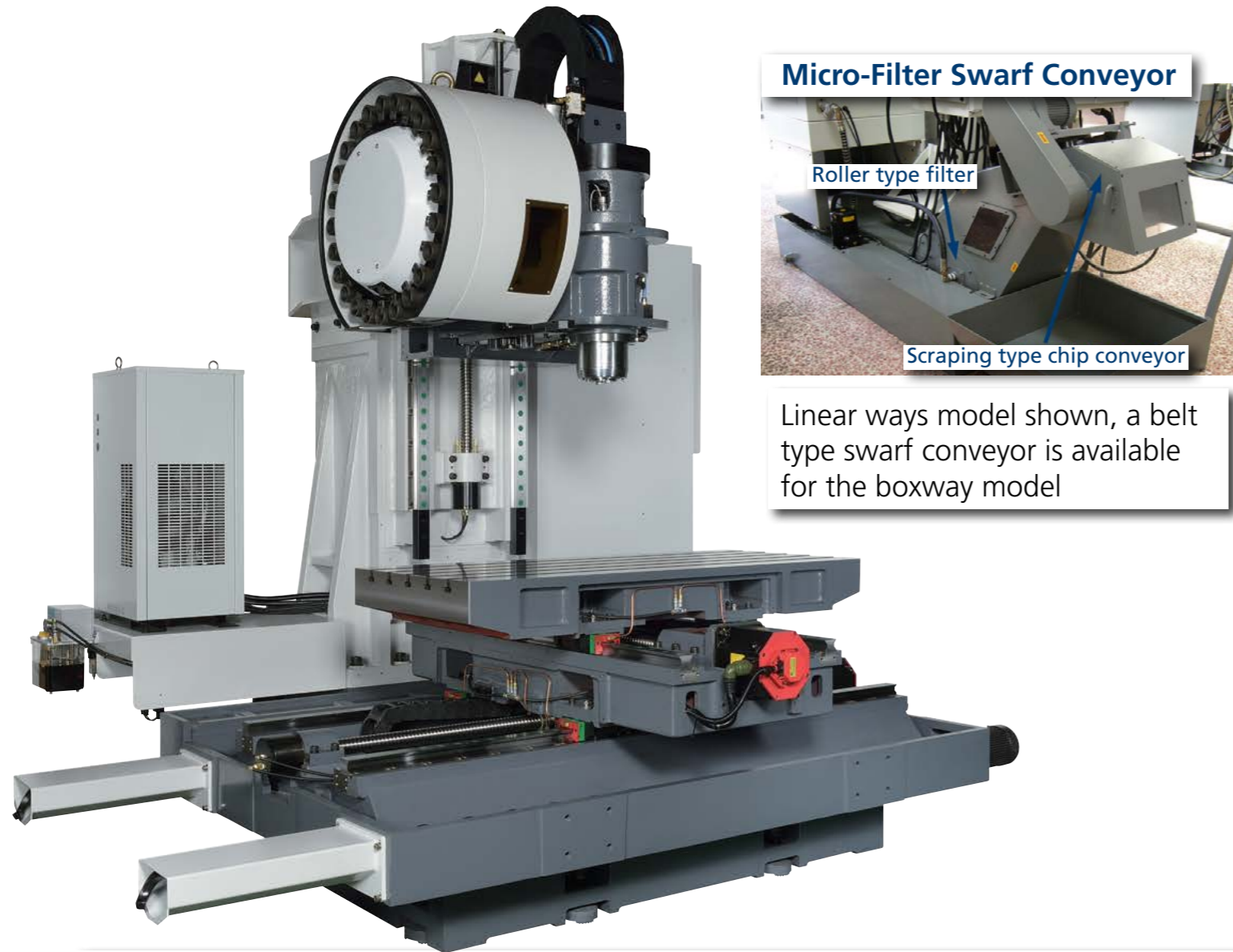
DUGARD

Machine Tools That Create Solutions Since 1939

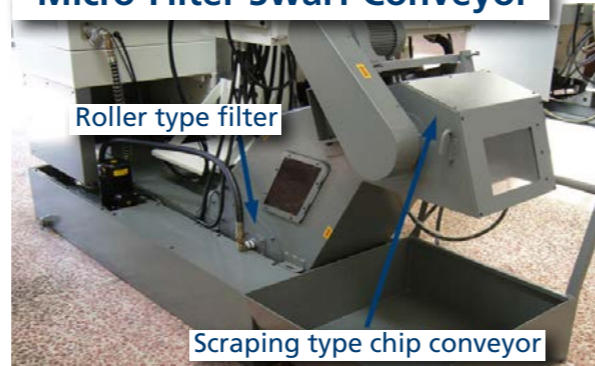
Dugard **SS1263L/B** Vertical Machining Centres



High quality, high speed, high power, high accuracy and competitively priced vertical machining centres



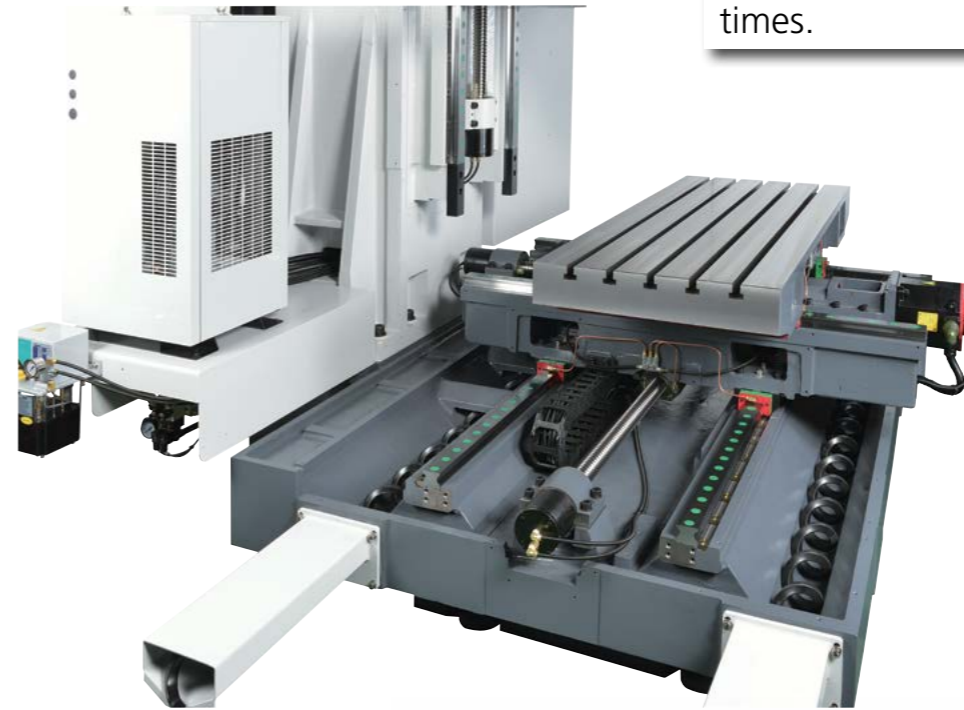
Micro-Filter Swarf Conveyor



Linear ways model shown, a belt type swarf conveyor is available for the boxway model

Unique bedway configuration

The X axis is located underneath the integrated Y axis giving the table maximum support at all times.



Linear ways model

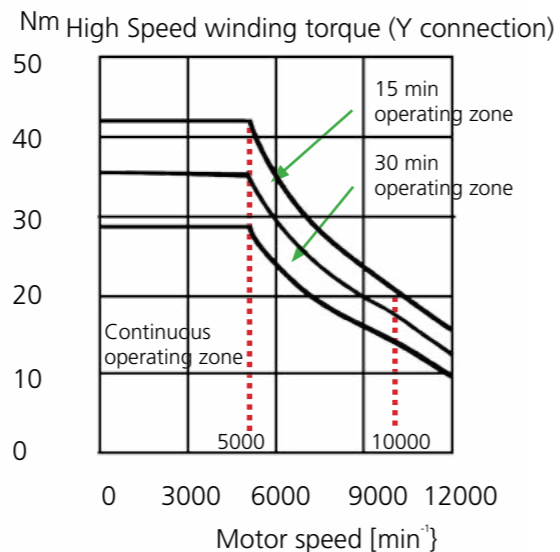
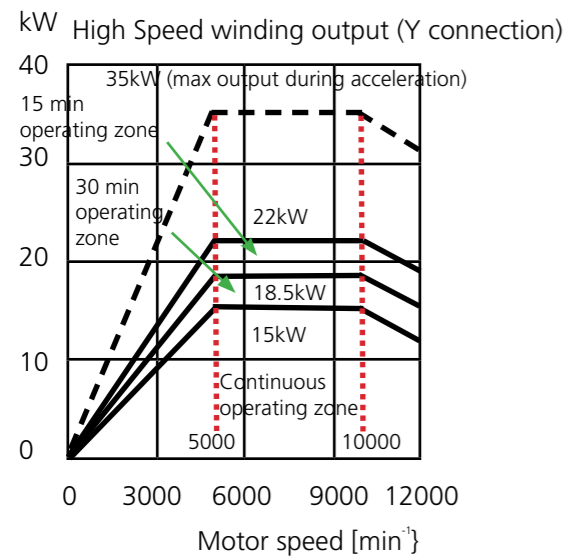
This reverse axis table design also has the added benefit of reducing the footprint, with each machine taking up 30% less floor space than a conventional VMC



Boxways model

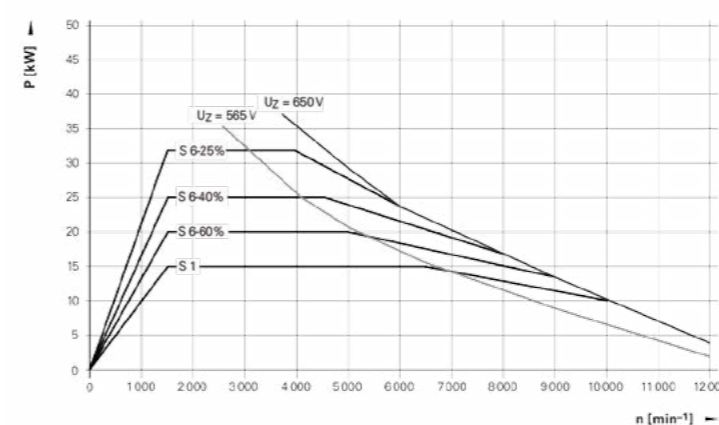
Spindle Power

Faunc 0iMF (package A)

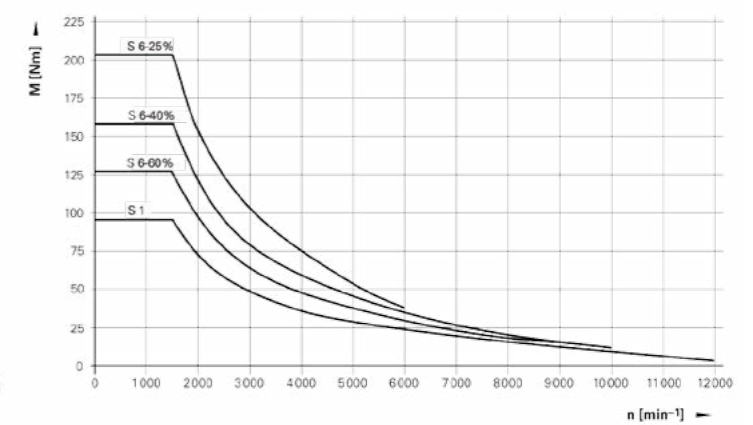


Heidenhain 530i

Power characteristic curve



Torque characteristic curve



Specification	Dugard SS1263L Linear Way	Dugard SS1263B Boxway
X axis	1200mm	1200mm
Y axis	630mm	630mm
Z axis	600mm	635mm
Spindle nose to table surface	100~700mm	150~785mm
Spindle centre to column	710mm	690mm
Spindle nose to telescopic guard	630mm	630mm
Table size	1450 x 600mm	1450 x 600mm
T-slot	18 x 5 x 100mm	18 x 5 x 100mm
Max table loading capacity	1200kg	1200kg
Speed/transmission	12,000rpm direct drive	6000rpm gear head
Rapid feed X/Y/Z	30 x 30 x 30 m/min	24 x 24 x 20 m/min
Cutting feed X/Y/Z	1~20m/min	1~15m/min
Tool magazine	BBT40 / 30 tools	BBT40 / 30 tools
Tool selection	Bi-directional, random type (ARM type ATC)	
Max tool diameter	76mm	76mm
Tool dia without adjacent tools	127mm	127mm
Max tool length	300mm	300mm
Max tool weight	7kg	7kg
X/Y/Z feed motors	α 12 / α 12 / α 12B kW (3/3/3)	α 22 / α 22 / α 22B kW (4/4/4)
Spindle motor (Fanuc)	Direct drive α 15/22kW	Gear head α15 15kW
Spindle motor (Heidenhain)	Direct drive 15 /32 kW	
Coolant motor	1.27kW	1.27kW
Coolant tank capacity	350L	350L
Air pressure required	6kg/cm ²	6kg/cm ²
Electric power required	30KVA	30KVA
Repeatability accuracy	ISO 10791-4, R: 0.007mm/ full, JIS B 6336-4 ± 0.003mm/300mm	
Positioning accuracy	ISO 10791-4, A: 0.010mm/ full, JIS B 6336-4 0.004mm/300mm	
Gross weight	9200kg	9300kg

Please note some specifications, accessories, pictures etc are optional accessories only suitable for specific models

Standard Equipment

- Swarf conveyor and bin
- Coolant system
- Z axis air counter balance
- Auto oil lubrication device
- Spindle air blast device
- Spindle load meter
- 2 chip auger in X direction
- M30 auto power off
- Heat exchange for electrical cabinet
- RS-232C transmission interface
- Spindle oil chiller
- M-code workpiece air blow
- Water gun for workpiece
- Circular type oil skimmer
- X, Y, Z refrigerated through ballscrews

Optional Accessories

- Deep hole oil through tool device
- Auto tool length measurement
- Workpiece measuring system
- Air conditioner for electrical cabinet
- Coolant through spindle 20 bar
- Oil mist collector
- 3 axis linear scales