



HERCULES X SERVO/X SUPER SERVO



Features:

- Servo-driven ballscrew feed on all three axes
- Bed-type universal milling machine
- Two-stage automatic spindle transmission for low-speed high-torque cutting
- Universal rotary head for multi-angle machining
- ISO50 spindle taper with wide tooling compatibility
- Heavy-duty rigid base and column construction
- Turcite on guideways for smooth, crawl-free movement

Model	Hercules X Servo	Hercules X Super Servo
Working Surface	2100 x 500mm	2500 x 600mm
T-Slots (Qty/Width)	4/20mm	5/20mm
T-Slot Pitch (Centres)	100mm	100mm
X-Axis Travel (Manual)	1500mm	1800mm
X-Axis Travel (Automatic)	1500mm	1800mm
Y-Axis Travel (Manual)	650mm	700mm
Y-Axis Travel (Automatic)	650mm	700mm
Z-Axis Travel (Manual)	630mm	680mm
Z-Axis Travel (Automatic)	630mm	680mm
Load Capacity	1800kg	2000kg
Table Swivel Range	N/A	N/A
Spindle		
Spindle Taper	7:24, ISO50	7:24, ISO50
Speed Control	2-step + Variable	2-step + Variable
Speed Range	6-300rpm/300-1500rpm	6-300rpm/300-1500rpm
Spindle Centre to Column	610mm	8-660mm
Spindle Nose to Table	8-660mm	8-660mm
Drawbar	M24x298mm	M24x298mm
Head Swivel Range	360°	360°
Feed Rates		
Number of Feeds	Variable	Variable
X-Axis (Longitudinal)	2.5-3000mm/min	2.5-3000mm/min
Y-Axis (Cross)	2.5-3000mm/min	2.5-3000mm/min
Z-Axis (Vertical)	2.5-3000mm/min	2.5-3000mm/min
X-Axis Rapid Traverse	6000mm/min	6000mm/min
Y-Axis Rapid Traverse	6000mm/min	6000mm/min
Z-Axis Rapid Traverse	3000mm/min	3000mm/min
Motor/Type		
Spindle Motor/Geared	11kW (14.96hp)	11kW (14.96hp)
Feed Motor, X-Axis/Servo	3.6kW (4.83hp)	3.6kW (4.83hp)
Feed Motor, Y-Axis/Servo	4.7kW (6.30hp)	4.7kW (6.30hp)
Feed Motor, Z-Axis/Servo	3.6kW (4.83hp)	3.6kW (4.83hp)
Coolant Motor	0.09kW (0.12hp)	0.09kW (0.12hp)
Weight and Dimensions		
Machine Dimensions	3220 x 2420 x 2800mm	4380 x 2520 x 2800mm
Net Weight	7300kg	9000kg

Standard Accessories:

- 3 Axis Digital Readout
- 3 Axis Power Feed
- LED Work Lamp
- Coolant System
- Table Guard
- Drawbar and Drawbar Wrench
- Chip Tray/Collector
- Manual Lubrication System
- Toolbox
- Operation Manual

Optional Accessories:

- Automatic Lubrication System
- Semi Universal Dividing Head
- Fully Universal Dividing Head
- Rotary Table
- Machine Vice
- Clamp Kit
- Drill Chuck
- ER Milling Collet Chuck Set
- Boring Head
- Reducing Sleeve Set
- Combination Shell End Mill Arbors
- Long Milling Arbors
- End Mill Set
- Angle Plate
- Tilting Angle Table

* The above specifications are subject to change without prior notice, no liability for mistakes. Machines may be shown with optional equipment.