



EU NIAN PRECISION TECHNOLOGY SDN. BHD. (629410-X)

友聯精準科技有限公司

No. 23, Jalan Ros Merah 2/7, Taman Johor Jaya, 81100 Johor Bahru, Johor, Malaysia.

Tel : +60-7-3538933, 3538533 Fax : +60-7-3539533 E-mail : admin@eunian.com



Spindleless Lathe

Specification

Machine	5ft Spindleless Lathe	
Model	SM5-309-CPS-INV	SM5-309-CPS-SRV
Veneer Thickness	0.55mm to 3.00mm	
Veneer Thickness Accuracy	±5% to 8%	
Maximum Peeling Length	2100mm	
Nominal Peeling Diameter	350mm	
Maximum Peeling Diameter	380mm	
Minimum Log Core Diameter	40mm	
Maximum Peeling Speed	80m/min	
Machine Capacity	35 m³ to 40m³ per day (1.50mm, 16hrs machine run-time/day)	
Single Roller Motor	11kW AC Induction Motor, 3-Phase (380/415/440VAC)	
Single Roller Motor Driver	Mitsubishi FR-A740-11K, 11kW Inverter	
Single Roller Diameter	98.9mm	
Single Roller Ridge Density	3.2 / 2.5	
Double Roller Motor	11kW AC Induction Motor, 3-Phase (380/415/440VAC)	
Double Roller Motor Driver	Mitsubishi FR-A740-11K, 11kW Inverter	
Double Roller Diameter	106mm	
Double Roller Ridge Density	3.2 / 2.5	



EU NIAN PRECISION TECHNOLOGY SDN. BHD. (629410-X)

友聯精準科技有限公司

No. 23, Jalan Ros Merah 2/7, Taman Johor Jaya, 81100 Johor Bahru, Johor, Malaysia.

Tel : +60-7-3538933, 3538533 Fax : +60-7-3539533 E-mail : admin@eunian.com

Specification

Model	SM5-309-CPS-INV	SM5-309-CPS-SRV
Feed Screw Motor	11kW AC Inverter Motor, 3-Phase (380/415/440VAC) with Feedback Rotary Encoder 1024ppr	7kW Mitsubishi Servo Motor, HA-LP70 with 3-Phase Transformer
Feed Screw Motor Driver	DELTA VFD110V43A-2, 11kW Vector Inverter with PG Feedback Control, Braking Unit and Braking Resistor	Mitsubishi MR-J3-700A Servo Amplifier 7kW with Braking Resistor
Knife Clamping Hydraulic System	Hydraulic Pump Motor: 3.7kW	
	Lower Pressure Limit: 5MPa	
	Upper Pressure Limit: 7MPa	
	Hydraulic Tank Capacity: 300 Litres	
Total Machine Power	36.7kW	32.7kW
Machine Dimension	3600mm x 1800mm x 1500mm	
Machine Weight	7000kg	6800kg

GPX-309 Spindleless Control System Specification

Main Central Processing Unit	iEi eBox639-836 Fanless Embedded IPC
Operation Interfacing Unit	iEi DM-65GHS 6.5" IP65 Industrial Touch Screen Monitor
Input / Output Controller Card	GPX-3091 and GPX-3092 I/O Card
Single Roller Speed Feedback	OMRON E6B2-CWZ6C Rotary Encoder, 1000ppr
Front and Rear Proximity Sensor	FOTEK PR18-05N-S, Cylindrical 3-wire, NPN Output
Conveyor Synchronising Sensor	EUNIAN EN-XS60-K11 Photo Electric Sensor
Unique GPX-309 Features	GPX 3-Points Torque Balance © Peeling System
	GPX Fully Auto Conveyor Synchroniser
	GPX Real-time Production Data Management System



EU NIAN PRECISION TECHNOLOGY SDN. BHD. (629410-X)

友聯精準科技有限公司

No. 23, Jalan Ros Merah 2/7, Taman Johor Jaya, 81100 Johor Bahru, Johor, Malaysia.

Tel : +60-7-3538933, 3538533 Fax : +60-7-3539533 E-mail : admin@eunian.com

Specification

Machine	9ft Spindleless Lathe	
Model	SM9-309-CPS-INV	SM9-309-CPS-SRV
Veneer Thickness	0.55mm to 2.80mm	
Veneer Thickness Accuracy	±5% to 8%	
Maximum Peeling Length	2760mm	
Nominal Peeling Diameter	350mm	
Maximum Peeling Diameter	380mm	
Minimum Log Core Diameter	40mm	
Maximum Peeling Speed	80m/min	
Machine Capacity	35m³ to 40m³ per day (0.55mm, 16hrs machine run-time/day)	
Single Roller Motor	15kW AC Induction Motor, 3-Phase (380/415/440VAC)	
Single Roller Motor Driver	Mitsubishi FR-A740-15K, 15kW Inverter	
Single Roller Diameter	98.9mm	
Single Roller Ridge Density	3.2 / 2.5	
Double Roller Motor	15kW AC Induction Motor, 3-Phase (380/415/440VAC)	
Double Roller Motor Driver	Mitsubishi FR-A740-15K, 15kW Inverter	
Double Roller Diameter	106mm	
Double Roller Ridge Density	3.2 / 2.5	
Feed Screw Motor	18.5kW AC Inverter Motor, 3-Phase (380/415/440VAC) with Feedback Rotary Encoder 1024ppr	11kW Mitsubishi Servo Motor, HA-LP11-K2 with 3-Phase Transformer
Feed Screw Motor Driver	DELTA VFD185V43A-2, 18.5kW Vector Inverter with PG Feedback Control, Braking Unit and Braking Resistor	Mitsubishi MR-J3-11KA Servo Amplifier 11kW with Braking Resistor
Knife Clamping Hydraulic System	Hydraulic Pump Motor: 3.7kW	
	Lower Pressure Limit: 5MPa	
	Upper Pressure Limit: 7MPa	
	Hydraulic Tank Capacity: 300 Litres	
Total Machine Power	52.2kW	44.7kW
Machine Dimension	4600mm x 1800mm x 1500mm	
Machine Weight	9000kg	8700kg



EUNIAN PRECISION TECHNOLOGY SDN. BHD. (629410-X)

友 聯 精 準 科 技 有 限 公 司

No. 23, Jalan Ros Merah 2/7, Taman Johor Jaya, 81100 Johor Bahru, Johor, Malaysia.

Tel : +60-7-3538933, 3538533 Fax : +60-7-3539533 E-mail : admin@eunian.com

GPX-309 Spindleless Control System Specification

Main Central Processing Unit	iEi eBox639-836 Fanless Embedded IPC
Operation Interfacing Unit	iEi DM-65GHS 6.5" IP65 Industrial Touch Screen Monitor
Input / Output Controller Card	GPX-3091 and GPX-3092 I/O Card
Single Roller Speed Feedback	OMRON E6B2-CWZ6C Rotary Encoder, 1000ppr
Front and Rear Proximity Sensor	FOTEK PR18-05N-S, Cylindrical 3-wire, NPN Output
Conveyor Synchronising Sensor	EUNIAN EN-XS60-K11 Photo Electric Sensor
Unique GPX-309 Features	GPX 3-Points Torque Balance © Peeling System
	GPX Fully Auto Conveyor Synchroniser
	GPX Real-time Production Data Management System