

SALVAMAC / OPTIMIZING CROSS-CUTTING

SalvaPush 2000

Automatic optimizing pusher crosscut saw



Titan-prepared technical data sheet

Compiled from current Salvamac manufacturer information and corroborating technical literature. Final Canadian electrical configuration and installed footprint must be confirmed at quotation.

Verified technical platform

MACHINE TYPE	Automatic optimizing pusher crosscut saw
MAXIMUM INFEEED LENGTHS	2500 / 4100 / 5100 / 6100 mm
PUSHER SPEED	60 or 200 m/min depending on version
MINIMUM CUTTING TIME	0.1 second
STANDARD BLADE	500 mm diameter
OPTIONAL BLADE	550 mm diameter
STANDARD CUTTING SECTION	30 x 12 mm minimum; 270 x 120 or 300 x 95 mm maximum
OPTIONAL 550 MM SECTION	Up to 240 x 140 or 300 x 100 mm
BLADE MOTOR	5.5 kW standard; 7.5 kW option in documented packages
COMPRESSED AIR	6 atm / 190 NI/min
DUST EXTRACTION VELOCITY	30 m/s
BOARD LENGTH BEFORE CUT	500 mm minimum
MAXIMUM DOCUMENTED BOARD WEIGHT	120 kg
CONTROL	Integrated numerical control, computer and EtherCAT servo communication
SOFTWARE	SALVA-OPTIM; up to 5 cutting qualities, statistics, diagnostics and video messages
CONNECTIVITY	Touchscreen, USB and internet-ready tele-service

Optimization, feeding and downstream options

SALVA-OPTIM MANAGEMENT

Integrated numerical control and computer communicate with the servo drive through EtherCAT. The interface manages up to five cutting qualities, optimization results, production statistics, real-time updates, diagnostics and video messages.

PUSH-FEED ARCHITECTURE

A brushless constant-torque servo motor drives a reinforced pusher carriage. The pusher plate is approximately 300 x 345 x 25 mm. A 50 mm toothed belt and 33 hardened-steel strips are designed to reduce dust sensitivity and maintenance.

BOARD AND DEFECT READING

A fixed laser photocell detects board presence, while a luminescence reader detects fluorescent defect and quality marks. The operator marks defects and quality; the optimizer calculates the best cutting combination.

CUTTING GROUP

The 25-degree inclined worktable supports loading and keeps material referenced without increasing operator working height. A smart pressing hood automatically adapts to board thickness after the first cut, supported by two internal electro-pneumatic side-alignment devices.

OPTIONAL DOWNSTREAM AUTOMATION

A tilting outfeed table can rotate and eject a complete cutting sequence while the pusher retracts. A length selector can divide finished pieces by length, quality, recovery and waste, with high-speed ejectors and simultaneous dual-ejector capability.