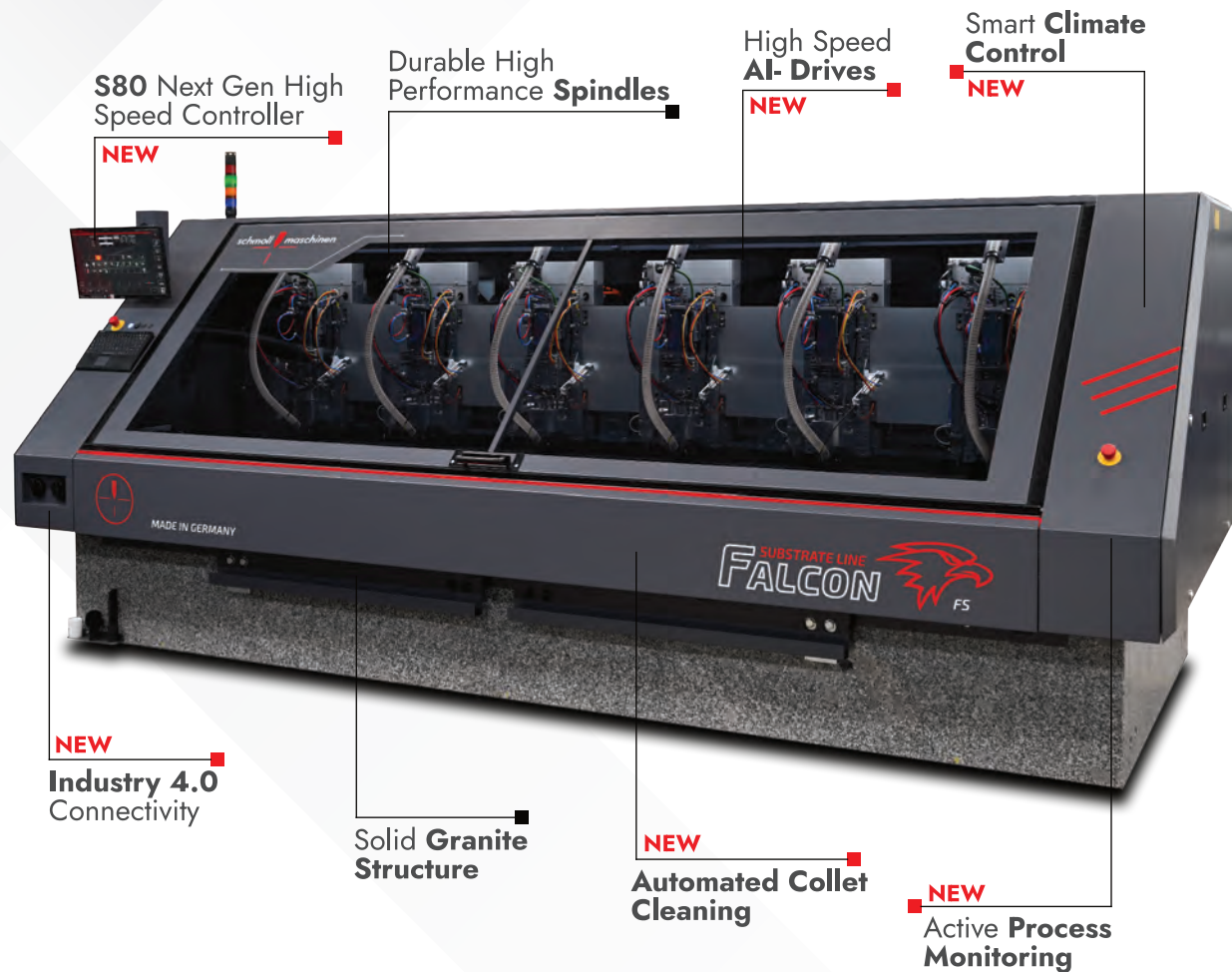


SUBSTRATE

MICRO LED

MICRO DRILLING

schmoll asia pacific



FALCON

Substrate Drilling Machine



SPECIFICATIONS

schmoll asia pacific

FALCON Substrate Drilling Machine

Models	FS-6-22	FT-6-22	FXY-6-22
Description	Speed Substrate Drilling	Precision Substrate Drilling	Aligned Substrate Drilling
Axis Drive Concept	Standard	Tandem Y-Axis	Multi XY
Axis Drive Speed	XY 100 m/min – Z 50 m/min	XY 100 m/min – Z 50 m/min	XY 100 m/min – Z 60 m/min
Spindles	T200X (20-200k) full range T250 (20-250k) full range PS300 (40-300k) =< 3.2mm	T200X (20-200k) full range T250 (20-250k) full range PS300 (40-300k) =< 3.2mm	T200X (20-200k) full range T250 (20-250k) full range PS300 (40-300k) =< 3.2mm
Panel Size	22.5"x 27.0" (572x685 mm)	22.5"x27.0" (572x685 mm)	22.4"x27.0" (570x685 mm)
CCD Registration (Optional)	Not applicable	Not applicable	High Resolution Cameras
Basic Accuracy (Schmoll Standard Test)	+/- 15 µm (18 µm @ CPK 1.67)	+/- 13 µm (17 µm @ CPK 1.67)	+/- 12 µm (15 µm @ CPK 1.67)
Automation Concept (Recommended)	DTE (2 Level) or QLB (4 Level)	DTE (2 Level) or QLB (4 Level)	DTE (2 Level) or QLB (4 Level)
Weight (Net/Gross/Floorload)	11,600kg/ 12,300kg/ 2,500kg/m ²	11,600kg/ 12,300kg/ 2,500kg/m ²	11,900kg/ 12,600kg/ 2,500kg/m ²
Air Consumption	Pressure 7 - 7.5 bar, Consumption l/min (avg/max), T200X 660/825, T250 618/978, PS300 1068/1133		
Dimension (w/o Automation)	4,180 x 2,000 x 1,770 mm	4,180 x 2,000 x 1,770 mm	4,180 x 2,050 x 1,770 mm

Common Specifications	
Machine Base	Full Body Granite
Controller	S80 – Latest Technology High Performance Controller with Industry 4.0 connectivity
X/Y/Z – axis drive	AI-driven wear and maintenance free linear motor
Tooling System	Prism-Slot Tooling pin Ø 3-5mm with Online Accuracy Check (OAC)
Tool Cassette	JTC 6 x 50 tools (optional 6 x 100 ringless UT)
Contact Bit Detection (CBD)	Real time broken bit detection, Quick Drill Function, Z-stroke optimization
Pressure Foot	3 PPF (3 position pressure foot) with 2 mm, 3.6 mm or 8 mm – Easy clean function
Temperature Control	Smart Climate Control
Required Room Conditions	Room Temperature 22 +/- 1°C - Humidity 55% - 65%
Power Connection	380/400 V ± 5% (machine input power), 50/60Hz, 3 phase, avg 10 kVA, max 16 kVA

Schmoll Maschinen HQ

Schmoll Maschinen (Germany)
 Odenwaldstraße 67
 D-63322 Rödermark/Ober-Roden
 Germany
 ☎ +49 60 74 89 01-0
 ✉ info@schmoll-maschinen.de
 🌐 www.schmoll-maschinen.de

Schmoll Asia Pacific

SAP Hong Kong (Head Office)
 ☎ +852-28505909
 ✉ sales@schmoll-asia.com
 🌐 www.schmoll-asia.com
SAP Taiwan
 ☎ +886-3-3583808
SAP Dongguan
 ☎ +86-769-22419199
SAP Kunshan
 ☎ +86-512-57371850

SAP Korea
 ☎ +82-31-4978779
SAP Thailand
 ☎ +66-2-711-7349-50
SAP Japan (Head Office Osaka)
 ☎ +81-6-6531-2127
SAP Malaysia
 ☎ +60 (0)4 588 7396



Schmoll-asia.com



Schmoll WeChat