



**Dual Spindle DD and/or DR**  
Full Panel Target Holes  
Drill in Centre (DIX)  
First Article Checking

**NEW**

**NEW**  
**Multi Zone**  
Multiple Targets for  
CCD Registration

**High Performance X-Ray Tube**  
70KV  
Layer Specific or Padstack  
High Cu Content  
Maximum Contrast

**NEW**

**S80**  
Next Gen High Speed Control  
Fully Integrated I 4.0  
Automation Option  
Panel Serialization

**NEW**



**NEW**  
**Solid Granite Structure**  
8 Micron Highest Accuracy  
Temperature Concept

**NEW**  
**Flex Table with Vacuum Function**  
Full Panel Detection  
No Dead Zone

Download now

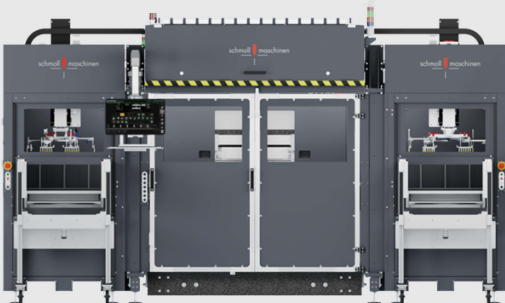


# XRA<sup>3</sup>

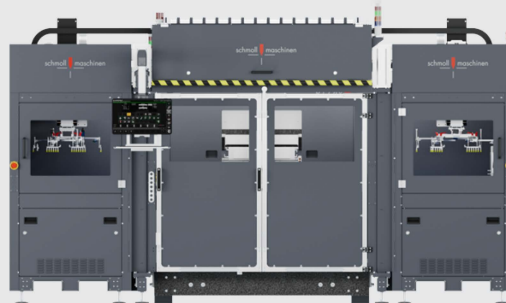
## Full Panel X-Ray Drilling



Available Options			
Models	XRA <sup>3</sup>	XRA <sup>3</sup> -XL	XRA <sup>3</sup> -XXL
Automation	Desktop / Inline / Stack to Stack / Easy Robot		
Drilling Spindle (Up to 3 Heads)	T160 (20-200k) / T200x (20-200k) / T250 (20-250k) Full Range		
Routing Spindle	DR130 / SM60		
Specifications			
Panel Size	30" x 28"	36" x 28"	48" x 32"
Machine Base	Full Body Granite		
Controller	S80 – Latest Technology High Performance Controller		
X/Y/Z – Axis Drive	AI-Driven Wear and Maintenance Free Linear Motor		
X-Ray Source	70 KV (Optional 90KV) Heavy Copper		
Tool Cassette	Choice of Euro or JTC (Optional Up to 3 Fold)		
CCD Vision System	Min. Pad Diameter 0.20 mm		
CCD Field of View	10.0 mm x 10.0 mm		
Layer Count	Up to 99 Layers with Layer-Specific Feedback for Pre-Process		
Panel Fixture/Alignment	Vacuum Table with Laser Line Positioning (Optional Soft-Tooling)		
Machine Accuracy	+/- µm 8, Cpk > 1.67 (Schmoll Accuracy Test)		



**XRA<sup>3</sup> - Automation Stack-to-Stack**



**XRA<sup>3</sup> - Automation Inline**



**XRA<sup>3</sup> - Automation Desktop**

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