

Overview of oscillating tools

		EOT-3/0.5mm electric oscillating tool with 0.5 mm stroke	EOT-3/1.0 mm electric oscillating tool with 1.0 mm stroke	POT-40va/0.6 mm pneumatic oscillating tool for 0.6 mm knives	POT-40va/1.5 mm pneumatic oscillating tool for 1.5 mm knives
Tool Specifica- tions	Stroke	0.5 mm	1.0 mm	8.0 mm	
	Knife holder	0.63 mm			1.5 mm
	Compressed air	none		min. 8 bar 300-400 l/min (Air quality per ISO 8573-1, Class 4)	
	Accessories and knives HM or HSS	Oscillating knives 0.63 mm thick			Knives 0.63 -1.5 mm thick Knife reduction 1.5/0.63 mm.
	Osc. frequency	18'000 strokes/min		10'800 strokes/min	
Cutter Specifica- tions	Models	PN + G3			
	Beam clearance	30 + 60 mm			
	Gantry	none		for PN-series compressed air supply	
	max. cutting speed*	1000 mm/s	650 mm/s	400 mm/s	
Application Graphics	Foamcore ≤ 5 mm	🟡	🟢	🟡	🟡
	Foamcore > 5 mm	🔴	🟡	🟢	🟢
	Corrugated plastic thin-walled, flexible	🟡	🟢	🟡	🟡
	Corrugated plastic thick-walled, rigid	🔴	🟡	🟢	🟢
	Honeycomb board	🔴	🔴	🟡	🟢
Application Packaging	Folding carton ≤ 600 g/m²	🟢	🟢	🟡	🟡
	Folding carton 600 -1200 g/m²	🔴	🟡	🟢	🟢
	Corrugated cardboard ≤ 4 mm	🟢	🟢	🟢	🟢
	Corrugated cardboard 4 -15 mm	🔴	🟡	🟢	🟢
	Corrugated, heavy-duty 20 -50 mm	🔴	🔴	🔴	🟢
	Polypropylene ≤ 1.5 mm	🟢	🟢	🟡	🟡
Application Leather	Natural, synthetic leather	🔴	🟢	🟡	🟡
	Laminated leather	🔴	🟡	🟢	🟢
	Sole materials	🔴	🔴	🟢	🟢
	Cardboard stencil	🔴	🟢	🟢	🟡
Application Textiles	Fabrics, clothing	🟡	🟢	🟡	🟡
	Techn. textiles, home textiles, tent fabric	🟡	🟢	🟡	🟡
	Felt	🔴	🟢	🟢	🟡
Specialty application	Carbon, glass, Aramid	🔴	🟢	🟡	🟡
	Rubber 1-20 mm	🔴	🟢	🟢	🟢
	Softer foam 3-50 mm	🔴	🟡	🟢	🟢
	PA, PE boards ≤ 2.5 mm	🟡	🟢	🟢	🟡
	Paper honeycomb 5-50mm	🔴	🔴	🟢	🟢
	Rigid foam 5 - 50 mm	🔴	🔴	🔴	🟢
	Multi-ply cutting of textiles 1-20 mm	🔴	🔴	🟢	🟢

🟢 Ideal tool 🟡 Possible but not ideal 🔴 Impossible

