

Process	details	ml&e GmbH&Co.KG	Kämpfe Elektronik GmbH	Tabemax S.J.	duotec de Norteamérica S. de R.L. de C.V.	duotec operations SA
General	Employees	600	50	350	400	135
	Engineering	50	5	20	30	25
	production area in m²	18.000	1.000	8.000	22.000	13.500
	prototypes		✓			
	low volumes	✓	✓		✓	✓
	mid volumes	✓	✓	✓	✓	✓
	high volumes	✓		✓	✓	✓
	R&D	via duotec GmbH (Halver, Germany)				
Country	Germany	Germany	Poland	Mexico	Switzerland	
additional services	dispatch incl. customs	✓			✓	✓
	international purchasing	✓	✓		✓	✓
	test engineering	✓	✓	✓		✓
	after sales	✓				
SMT	SMT lines	6	1	3	2	2
	3D-SPI	✓	✓	✓	✓	✓
	3D-AOI	✓	✓	✓	✓	✓
	X-Ray	✓	✓	✓	✓	
	vapor phase soldering		✓			
	reflow soldering	✓	✓	✓	✓	✓
THT	Selective Soldering	✓	✓	✓	✓	✓
	Wave Soldering	✓	✓	✓	✓	
	Hand soldering	✓	✓	✓	✓	✓
	THT-AOI	✓		2025	✓	
	Laser soldering	✓				
	Pressfit	✓	✓	✓		
	THT Component Preparation	✓	✓	✓	✓	✓
Depanelling	Linear Cut	✓	✓	✓	✓	✓
	Milling	✓		✓	✓	✓
Marking	Laser Marking PCB	✓			✓	✓
	Laser Marking plastics	✓		✓	✓	✓
	Laser Marking metal			✓		
	Ink Printing			✓		
	Pad printing					✓
Assembly	Monitored Screwing (Torque, Angle)	✓		✓	✓	✓
	unit assembly	✓	✓	✓	✓	✓
	system assembly / cabinets	✓		✓		
	Ultrasonic Plastic Welding					✓
	Rivet Stations	✓		✓		
Dispensing	Underfill	✓				✓
	Filling / Dispensing	✓	✓	✓	✓	✓
	Conductive Paste Printing	✓				✓
Chip on Board	Flip-Chip					✓
	Clean Room					✓
	COB					✓
Coating	Dip Coating	✓		✓	✓	
	Selective Coating	✓	✓	✓	✓	✓
Overmolding	thermoplastic			✓		✓
	Thermosetting plastic					✓
	Hotmelt					✓
Washing	Washing PCBAs / PCBs	✓				✓
Cable Assembly	Cutting	✓		✓		✓
	Crimping	✓		✓		✓
	Test	✓		✓		
Traceability	Product Traceability	✓	✓	✓	✓	✓
	Rework Traceability	✓		✓	✓	✓
	Material Traceability	✓	✓	✓	✓	✓
ICT	Flying Probe	✓	✓	✓		✓
	ICT	✓	✓	✓	✓	✓
Functional Testing	Test engineering	✓		✓		✓
	Test equipment workshop	✓		✓		✓
	Universal test station (safety & function)	✓	✓	✓		✓
	Burn-In (climate chambers)	✓		✓		
Quality	EX-products	✓				
	ASIL-products	✓				
	ISO 9001	✓	✓	✓	✓	✓
	IATF 16949	✓		✓	✓	
	ISO 14001	✓		✓	✓	
	DIN EN ISO/IEC 17025	✓				
	ISO 27001	✓				
	ISO 13485					✓
	ISO 50001	✓				
	TISAX	✓				
AEO (certified for customs)	✓					