

Data and Facts

2024

SMT Assembly

Maximum output:	3 billions assemblies p. a.
Minimum assembly dimensions:	Type 01005
Maximum assembly dimensions:	120 mm ²
Fine pitch placement:	To 0.3 mm
Circuit board dimensions:	Max. 610 mm x 460 mm
Reflow	Convection reflow

All fully automated soldering processes performed in a controlled nitrogen atmosphere (protective gas) and are available as leaded and unleaded processes.

THT Assembly

Maximum assembly output:	200 million assemblies p. a.
Automated assembly preparation	
HeadUp assemblytable with AOI	
Double wave soldering	
Selective soldering	
Board dimensions:	max. 600 mm x 350 (380) mm

All fully automated soldering processes performed in a controlled nitrogen atmosphere (protective gas) and are available as leaded and unleaded processes.

PCB Protection

Selective coating systems	
with conveyor oven	400 mm x 500 mm
Fully automated PCB encapsulation ("Macromelt")	
using hot melt moulding technology	

Cable Assembly

Fully automated single strand production	
Semi-automatic cable production	
IDC technology	
Crimping technology	
Soldering technology	
Semi and fully automated adhesive and encapsulation technology	

Testing

▪ In-circuit-testing	▪ Fully automated X-ray testing
▪ Functional testing	▪ Automatic visual inspection
▪ Flying probe	▪ Combined testing
▪ Climatic testing	▪ Safety category testing
▪ Burn-In testing	▪ Custom testing
▪ Run-In testing	▪ Polished section analysis for
▪ High voltage testing	soldered and crimp connections
▪ Cable testers	▪ Sequential manufacturing testing system

Certification

▪ ISO 9001	▪ EN ISO 13485
▪ DIN EN ISO 14001	▪ IATF 16949

Process and quality management

▪ MES-Manufacturing Execution System with paperless instructions
▪ CAQ - Computer-aided quality

ROB GmbH implements ongoing improvements to its production processes. The parameters specified are therefore subject to continuous positive change.

Good partnership counts

Good, reliable partners and suppliers are key factors that help us to maintain our competitive edge. Here is a selection of our partners in the field of machinery and equipment:

