

# Data and Facts

## 2020

### SMT Assembly

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

#### Reflow:

- Vapour phase reflow
- Convection reflow

All fully automated reflow 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	
Semi-automatic assembly	
with laser assembly benches	
Double wave soldering	
Selective soldering	
Board dimensions:	Max. 650 mm x 450/500 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 soldered and crimp connections
▪ High voltage testing	
▪ Cable testers	▪ Sequential manufacturing testing system

### Certification

▪ ISO 9001	▪ EN ISO 13485
▪ DIN EN ISO 14001	▪ ISO/TS-16949
▪ IATF 16949	

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:



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