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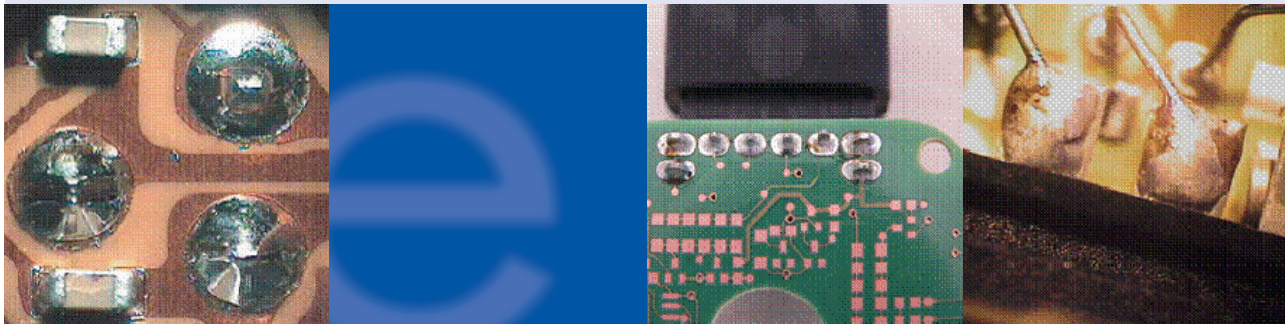

neo sold D400

THE TURN KEY SOLUTION FOR SOLDERING OF COMPLEX GEOMETRIES AND DIFFICULTY ACCESSIBLE WORK PIECES

SOLDERING

- Lead free high temperature soldering
- Selective laser soldering of:
  Planned or unplanned missing SMT components, SMT connectors, RF shields, heat sensitive and optical components, smart cards
- In line and off line configuration
- High power density with accurate focusing
- No damage for nearby thermally sensitive components
- Smallest solder joints
- Simultaneous component placement & soldering

POLYMER WELDING

- Contactless hermetic welding
- Excellent and constant welding quality
- High optical quality with no particles
- Small sized spots for microjoints

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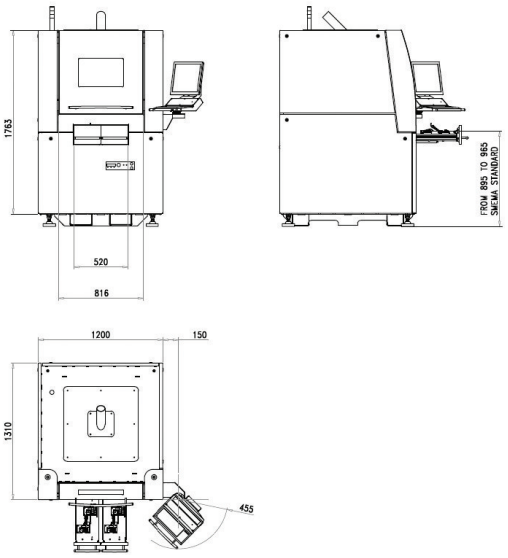

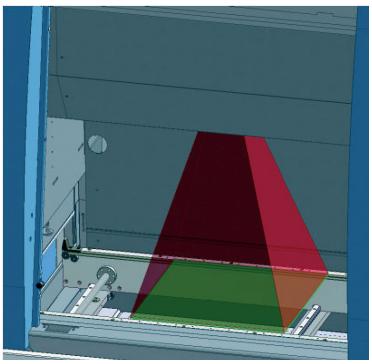

Working area 400x400

TECH SPEC

Dimensions (LxWxH)	**1200x1310x1800 mm**
Weight	**1400 kg**
Total working area	**Up to 400x400 mm**
Transfer protocol	**SMEMA**

INSTALLATION REQUIREMENTS

Power supply	**3x400V - 8kVA**
Air consumption	**6 bar, min. 20 Nl/minute**

LASER UNIT

LASER safety class	**CLASS 1 (EN60825-1)**
Power range	**80 ÷ 150 W**
Focal distance	**60 ÷ 120 mm**
Focal area	**0,4 ÷ 2,5 mm**

AXIS

Available axis	**4 axis servo driven**
X and Y axis	
Stroke	**400 x 400 x 150 mm**
Speed	**330mm/sec**
Repeatability	**± 15 µm**
Z axis	
Stroke	**150mm**
Speed	**330mm/sec**
Repeatability	**± 15 µm**

DISPENSING

Wire	**Alloy with or without lead**
Wire diameter	**From 0,5 to 1,5 mm**
Precision of the wire in-feed	**± 0,1 mm**

PCB DIMENSIONS

PCB length	**Max. 400 mm**
PCB width	**Max. 400mm**
PCB thickness	**0 ÷100 mm**
Top clearance	**100 mm**
Bottom clearance	**40 mm**
Edge clearance	**3 mm**

OPTIONS

Solder paste dispensing
Matrix tray handling