Selective Wire Soldering

- Programmable selective wire soldering
- Fast X, Y, Z and W movement
- Accurate wire feeding (0.1 mm) with speed control
- Adjustable feeder/solder iron holder
- Tip calibration with camera
- Integrated tip cleaning device
- Typical 3 sec solder joint tact time
- Soldering reel and color detection
- Integrated fume extraction
# Selective Wire Soldering

## PCB Specification
- PCB Width: 360 mm
- PCB Length: 460 mm
- PCB Ratio: 0.8 (length ≥ 0.8 x width)
- PCB Thickness: 0.8 - 4 mm
- Component height (top side): 40 mm
- Component height (bottom side): 8 mm
- PCB Edge support: 2.0 - 4.5 mm adjustable
- PCB Weight: 2.5 kg

## Process Specification
- Soldering iron power: 158 W
- Soldering speed: < 3 sec/solder joint
- Angle of soldering iron: 20 to 70 deg
- Solder wire retraction and feed speed: 0.5 to 95 mm/s
- Working area: 350 x 350 mm
- Stroke Z-movement: 100 mm
- Solder iron rotation: 370 deg
- Positioning accuracy: ± 0.05 mm
- Positioning repeatability: ± 0.03 mm
- Fume evacuation: integrated in on soldering head

## Technical Specification
- Transport height: 800 - 900 mm
- Transport direction: L ⇒ R, R ⇒ L (to be specified at time of order)
- Protection screens: ESD
- Controller: Beckhoff
- Energy requirements: 3 x 400 V + N, 5 kVA
- Compressed air: 6 bar, min 18 NL/min, according to DIN ISO 8573 3.4.5
- Color: RAL 7035 ESD Safe
- Dimensions (L x D x H): 900 x 1.380 x 2.000 mm (excluding tower light)
- Weight: ca 1.500 kg
- Interface: TS1
- Standards: CE

## Options
- Different conveyor systems (carrier, PCB, pallet)
- Pendant Tool
- Nitrogen process
- Fume extractor