

Options added:

General:

- Generic bar code reader (1D) included infeed conveyor (OEM by Nutek) and management info

Conveyor:

- Extended conveyor rail, extending 450mm from exit of the machine

Preheater stations:

- Zone 2: Forced convection module (91W)
- Zone 2: Top side forced convection (6 kW)
- Zone 3: Top side lamps (2.5 kw)

Solder Station:

- Smart Wave
- Nitrowave
- Menu driven solderpot height control (lead clearance)

Standard features (included)

System:

- Frame built-up with profile steel with 2 front cover glass panels
- Full enclosure, component height max. 150mm
- Maintenance tool & glass plate
- RAL 9002 grey white panels

Controls:

- Main power disconnect
- PC, Monitor, Keyboard and track ball
- Emergency buttons
- PC console at outfeed side of the machine
- Windows based with Recipe Organizer, graphic display, Alarm Organizer, Password Organizer
- Board tracking system for automatic parameter and subsystem activation
- Trend analysis subsystem for controlled parameters
- Digital motor control
- Measured values read out of frequency controlled motors on PC screen
- Management information system, storage of all parameters per soldered PCB (PCB triggered)
- Weekly timer
- SMEMA interface on in and outfeed, including cables
- Heating element failure detection for preheat and solderpot
- UPS rewiring system
- SPC software integration (Without SPC Software)
- Barcode integration without reader

Conveyor:

- Titanium heavy duty mixe of 3V-1L shaped fingers
- Crashtetection system to prevent PCB and finger damaging at in- and outfeed side
- Finger Clearing System
- Extended in- and outfeed guidings (non driven)
- Manual angle adjustment between 5 and 7 degrees (factory setting 7 degrees)
- Finger wetting system to reduce solder adherence
- Motorized conveyor width adjustment via PC-menu
- Max width PCB of 457mm (18")
- L to R
- Front rail fixed

Fluxer:

- Fluxer supply system with min-max level monitoring on PC screen (for max 300mm high vessels)
- Pressurized flux supply system
- Stepper motor control via X-axis
- Single head nozzle spray fluxer with dual tanks for fast change over when supply empty
- Nozzle fluid cap FC7 (3 l/h @ 0.2 bar; 4 l/h @ 0.3 bar) & FC16 (1.5 L/H @ 0.2 BAR; 1.9 l/h @ 0.3 BAR)

Preheating:

- PID Controlled for calrod and forced convection modules
- Pulse length modulation control for quartz lamps
- 3 prehead zones (calrod) with full length of 1.8m

Solderpot:

- Carbon Steel Solderpot with high temperature protective coating
- Automatic solder addition for two solder bars
- 120mm long main wave
- PCB Width 457mm (18")
- Extra safety sensors on locking pins of the sliding frame
- Integrated frame for motorized solderpot roll out
- Solder level measurement by float with low level alarm
- Valve for solder drainage incl. drain pipe
- Adjustable backplate by means of standard bolt
- Separate dross compartment
- Automatic overheat switch off
- Dross minimizer around wave former
- Pumpshaft sealings to minimize dross production
- Pump impellers with chromium carbide diffusion layer against wear

Voltage: 3x400V

Rated Current: 80 A

Rated Power: 60 KW

Frequency: 50/60 Hz

Leakage Current: <300mA

Machine Weight: 1900 KG

N2 Pressure: 0.6 MPa

Air Pressure: 0.4 MPa

Max Loading: 95A

N2 Consumption: 0-10 m³/h