

Novo® Series: Model 460

Selective Soldering with combined Flexibility and Modularity

Features and Benefits

- Choice of single or dual drop-jet fluxers and solder pots for either simultaneous parallel or independent double processing modes
- Parallel processing significantly increases machine through put while double processing broadens soldering flexibility
- Full titanium solder pot compatible with all solder alloys plus easy tool-free maintenance
- Software control between different solder alloys without changing solder pots
- Standalone platform with combined fluxing, preheating and soldering for highest possible process flexibility

Technical Specification

Motion System

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|-----------------------|---|
| Z accuracy | ±100 µm (0.004 in.) |
| Z repeatability (1) | ±50 µm (0.002 in.), 3 sigma |
| Z velocity | 0.05 m/s peak (2 in./s) |
| X-Y accuracy | ±100 µm (0.004 in.) |
| X-Y repeatability (1) | ±50 µm (0.002 in.), 3 sigma |
| X-Y velocity | 0.2 m/s peak (8 in./s) |
| Computer | PC with Windows® operating system |
| Software | PhotoScan “point-and-click” programming editor and machine control software |

Solder Pot Capacity and Weight

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|---|-----------------------------|
| Capacity (2) | Approx. 12.0 kg (26.4 lbs.) |
| Total weight of tin-lead solder together with solder pot and pump assembly (2) | Approx. 22.4 kg (49.2 lbs.) |
| Total weight of lead-free solder together with solder pot and pump assembly (2) | Approx. 19.7 kg (43.3 lbs.) |
| Max. temperature | 320°C |

Solderable Area (X-Y)

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|---|--|
| Single, parallel or double operating mode (3, 4): | Max. 460 x 460 mm (18.1 x 18.1 in.) |
| Preheating | Selectable infrared preheating from 1.5 kW to 6.0 kW |

Board Handling Capability

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|-----------------|--------------------------------|
| Max. board size | 460 x 460 mm (18.1 x 18.1 in.) |
|-----------------|--------------------------------|

Board Clearance

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|----------------------------|------------------|
| Max. overboard clearance | 120 mm (4.7 in.) |
| Max. under board clearance | 40 mm (1.5 in.) |

