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**newhorizon Hot Bar Reflow Soldering System ideal for reliable and repeatable
bonds**

Cost-effective systems for high-quality connections

Amada Miyachi Europe's newhorizon Pulsed Heat Reflow Soldering System is a fully-integrated Hot Bar system which utilizes a pulsed heat thermode for selective Reflow Soldering and applications requiring between 8 and 80 Newtons force. Compact and flexible, newhorizon Hot Bar systems offer high quality connections with an ideal price-performance ratio.

The ergonomically designed newhorizon Reflow Soldering System maximizes production output and is the perfect choice for the connection of flex to ceramic, SMT components to printed circuit board (PCB), flexible printed circuit board (FPC) to PCB, wire to PCB, leadframe to PCB and ribbon cables to PCB. The newhorizon Hot Bar line is made up of four standard, ergonomically designed models with optional product handling features such as linear slides and rotary tables. Hot Bar Bonding systems are customizable to suit the customer's specific technical requirements via optional plug & play modules. Available plug & play options include optical alignment modules and a Kapton interposer module for both manual and automatic configurations.

Using the Uniflow[®]4 pulsed heat power supply, the newhorizon Hot Bar Reflow Soldering systems provide closed-loop temperature and time control based on proven technology. Included in the standard system configuration are pneumatic bonding heads and two-dimensional or three-dimensional thermodes, X-Y thermode planarity adjustment, electronic system control, and digital bond force readout. The unit features active integrated cooling for heavy duty cycle operation.

Mounted on a simple adjustable frame construction, the systems include user friendly product handling features such as front-rear linear slide and manual or pneumatic rotary tables. All newhorizon Hot Bar systems are CE approved and designed to meet ergonomic standards to maximize production output. Process parameters are embedded into the system, ensuring consistent process quality and operator independence.

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About Amada Miyachi Europe

Amada Miyachi Europe is a leading manufacturer of equipment and systems for Laser Welding, Laser Marking, Laser Cutting, Resistance Welding, Hermetic Sealing and Hot Bar Reflow Soldering & Bonding. We customize our products around specific micro-joining applications for all our customers around the globe. Amada Miyachi Europe product markets include medical devices, battery, automotive, solar industry, electronic components and aerospace. We are an ISO9001 certified company. Contact Amada Miyachi Europe at infode@amadamiyachi.eu. Find out more about the company's products and services at www.amadamiyachi.eu.