

BRANSON

Benefits:

Provides greater weld surface area than base model.

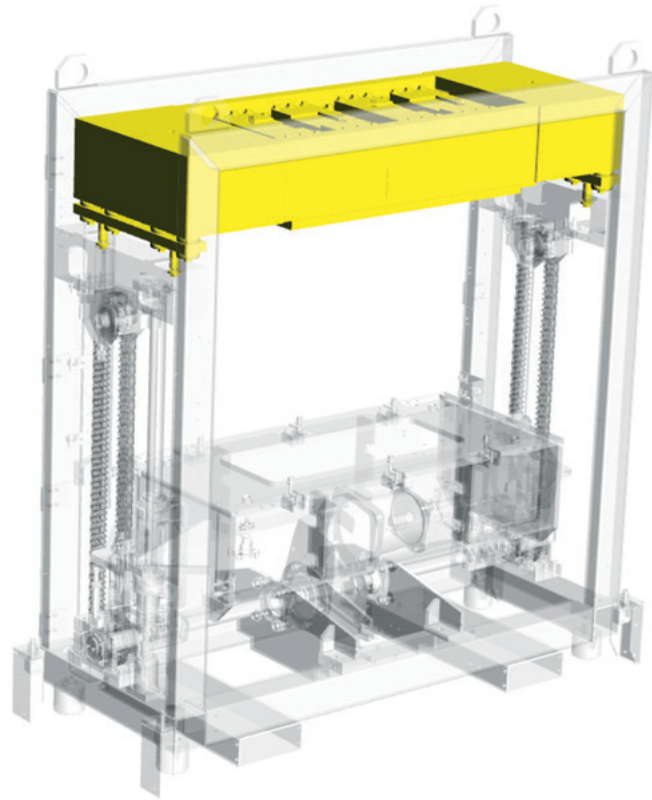
Other benefits include:

- More application flexibility
- Power for handling larger parts
- Better ability to control higher melt-temperature materials such as nylon
- Greater potential for adapting to future applications

Features:

Mx24, 500 cm² weld area (PP), 920x540 mm large upper fixture installation area, 65 kg upper fixture.*

To learn more about Branson GVX-3/3R, contact your Branson representative or visit us online at bransonultrasonics.com.



*An option is provided to have Mx624H head with the large mass bridge to increase upper tool weight limits.

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Benefits:

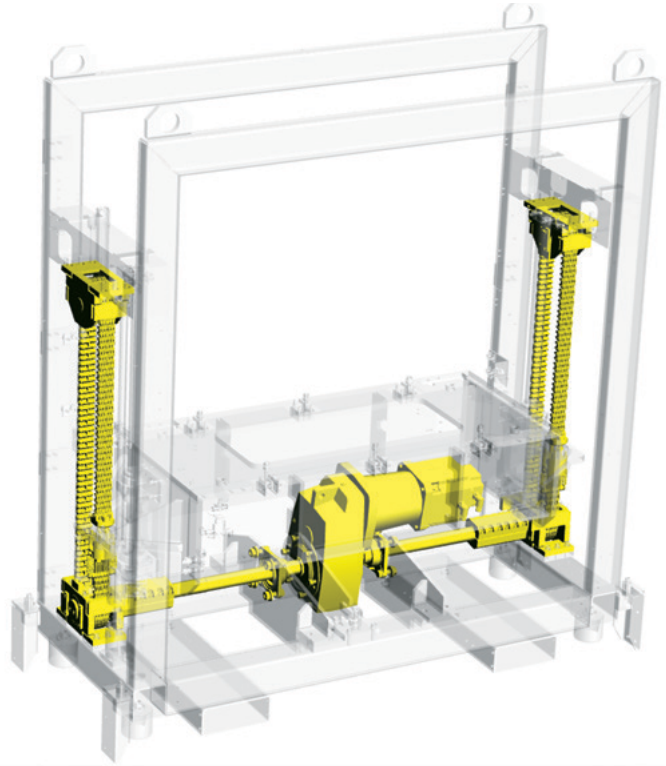
Higher clamp force potential increases application flexibility. Other benefits include:

- Higher clamp force aids in flattening/holding distorted or warped parts
- Enhanced capability of handling larger parts
- Greater potential for adapting to future applications

Features:

25 kN force and servo actuation system provides consistent, repeatable clamp force.

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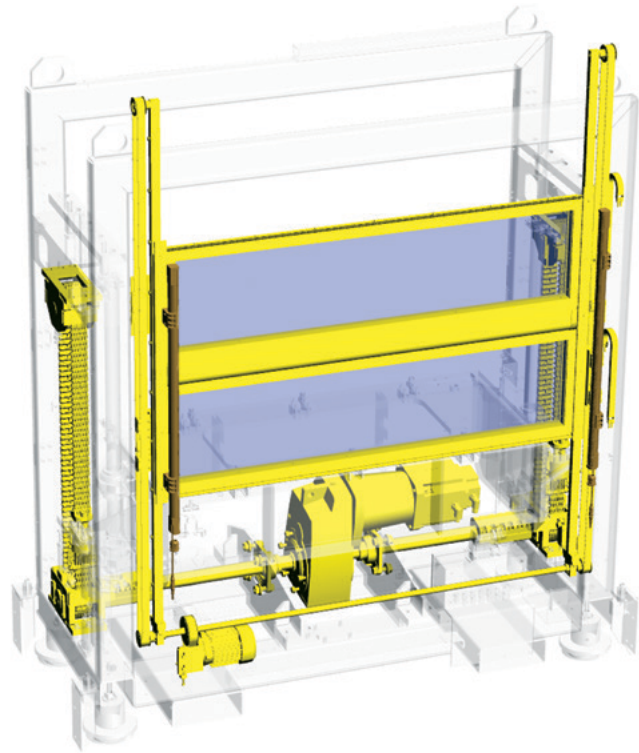
The ultimate in high-speed processing times for greater throughput. Other benefits include:

- Doors open completely for ease-of-use and viewing of interior for setup or debugging
- Rapid door operation (open/close cycle of 0.9 seconds)
- Double front doors, light curtain, variable-speed door drive
- Supports high-speed, automated applications
- Simultaneous motions of door, pneumatic functions, table to reduce cycle time
- Dry cycle time reduced by up to 2 seconds

Features:

Servo motor operates lift table up to 500 mm/s, safety PLC monitoring, fast door operation with full-size clear windows, quick touch-start button.

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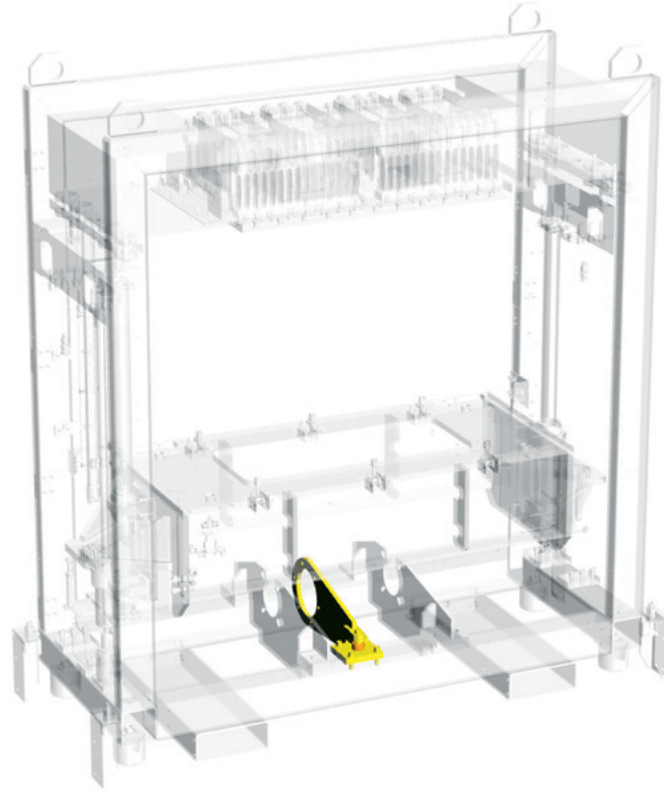
Provides more accurate, repeatable machine performance and precision, to more tightly control weld processes. Other benefits include:

- Reduced standard deviation in force application and lift table position
- Capable of maintaining force precision for low 1-3 kN clamp forces
- Greater application flexibility

Features:

Closed-loop piezoelectric load cell sensor. The IPC continuously monitors and calibrates clamp force to maintain accurate, consistent operation.*

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* All GVX include closed-loop vibration head amplitude control, and a high-resolution encoder for table position and weld-depth monitoring.

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Benefits:

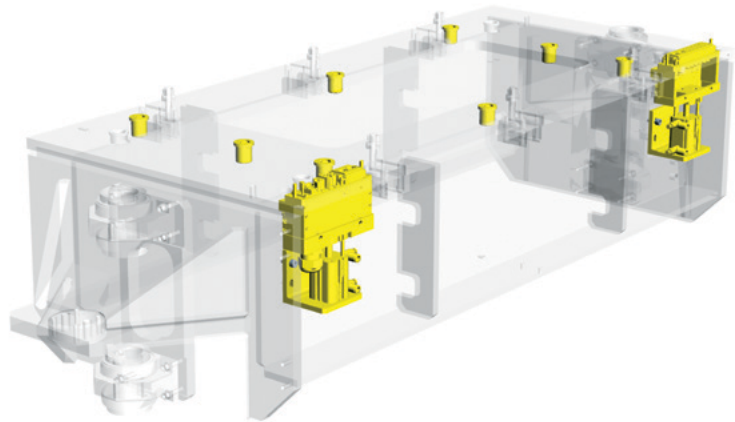
Ideal for assembly operations needing rapid or frequent tool changes. Other benefits include:

- Easy sliding of heavy tools using spring balls in lift table
- Reduced setup time and improved ergonomics
- Increased productivity and throughput
- Easily compatible with the Branson tool trolley and docking systems to make tool changes even easier

Features:

Auto-connectivity between pneumatic and electrical components on lower fixture and spring balls on lift table.

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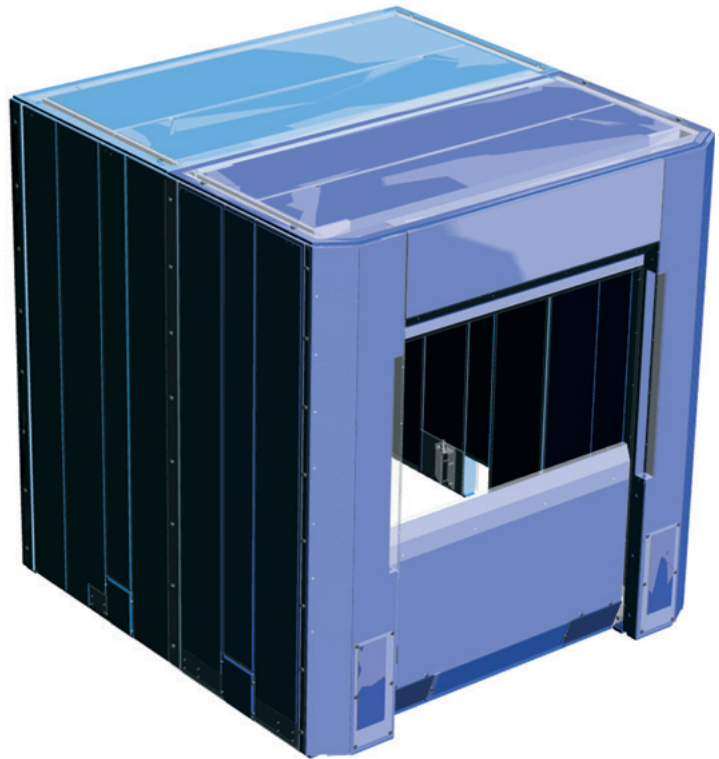
Provides for optimum comfort of workers in close proximity to machine. Other benefits include:

- Maximum noise emission: 77 dB (A) to EN ISO112202
- Reduced noise in the working environment

Features:

Soundproofing foam used in enclosure subassembly.

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Benefits:

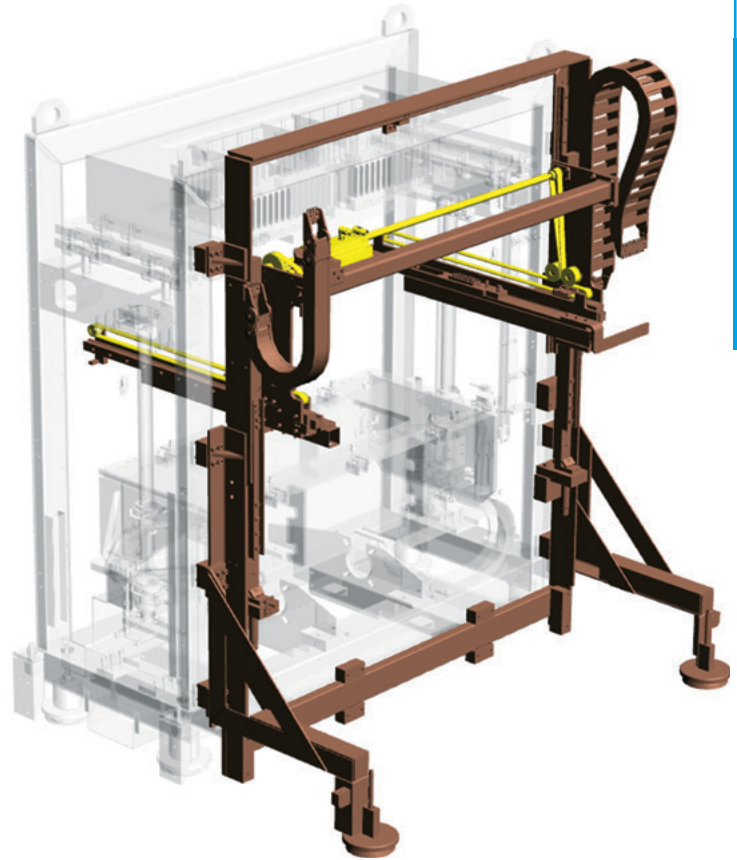
CVT improves weld quality. Infrared emitters preheat material surface to produce welds with fewer particulates, flash, or other visible contaminants. Single-axis allows IR emitter to move horizontally with no cam plate or cylinder required. Servo-controlled lift table moves emitter vertically into position. Other benefits include:

- Reduced residual stresses and materials-specific friction
- Increased weld strength ability to handle hard-to-weld materials

Features:

Modular single-axis CVT frame, drives, sound enclosure extension, infrared (IR) emitter controllers.

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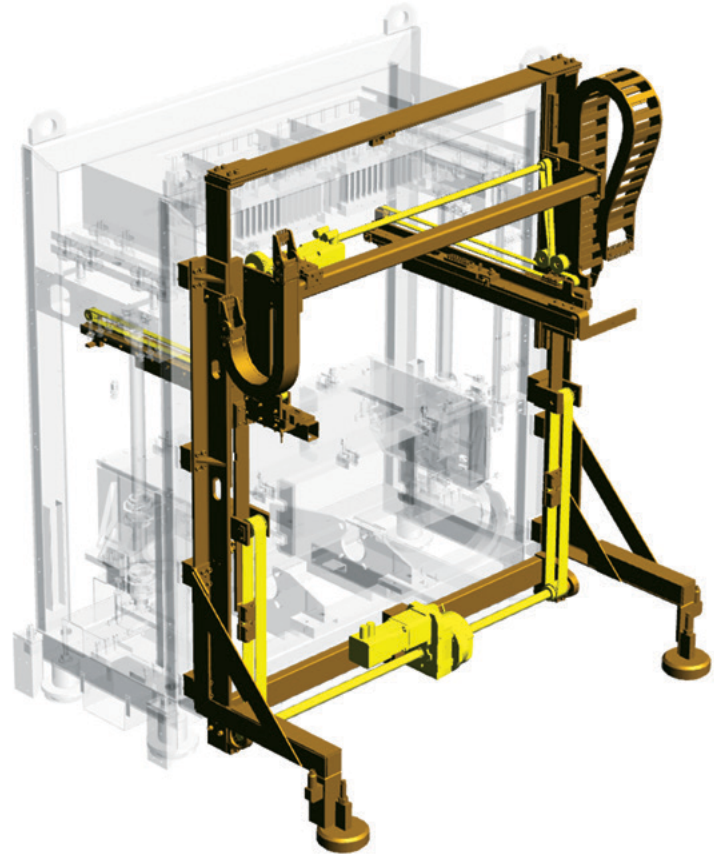
CVT improves weld quality. Infrared emitters preheat material surface to produce welds with fewer particulates, flash or other visible contaminants. Dual-axis CVT provides maximum performance and application flexibility. The dual-axis solution has the lowest changeover time for optimal weld appearance. IR emitter moves horizontally and vertically to offer maximum application flexibility, weld speed, and accuracy, with no cam plate and cylinder needed. Other benefits include:

- Ideal for complex 3-D part geometries
- Faster tool travel and shorter cycle times
- Capable of programming CAM motion with undercuts and overhangs on parts
- Reduced residual stresses and materials-specific friction
- Ability to handle hard-to-weld materials

Features:

Modular dual-axis CVT frame, drives, sound enclosure extension, Infrared (IR) emitter controllers.

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Benefits:

Provides more aesthetically appealing look, as well as improved visibility in the work area.

Features:

Stainless-steel front doors. Advanced LED lighting.

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Appearance Package is standard configuration for GVX-3H/HR, and not available for GVX-3/3R.

