



Presses & Automation
SINCE 1975



Clinching press
Channel letter



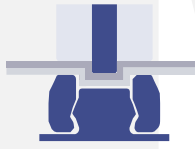
Azimuth Clinching press

GEN III Servo Clinching Press



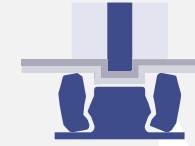
STEP 1 : CLAMP

The stripper clamps the sheet metal parts to be joined.



STEP 2 : DRAW

The punch draws the sheet metal into the die and the metals expand when they hit the die anvil.



STEP 3 : LOCK

The metals, unable to continue their downward expansion, are compressed against the anvil and are forced to expand laterally, forming an interlock below the bottom sheet. The die blades expand, allowing this interlock to occur.



- Servo motorized
- Automatic lower arm retractable (requires 40PSI)
- 5 years warranty – Best in Industry
- Up to 600SPM - Fastest in Industry
- Several mode of operation
- Programmable jobs allows you to program sequences based on job
- Built in safety features Safety programmable torque for finger safe operation
- Several frame sizes available





Azimuth Servo press

Control capabilities

- 7" color Touch Screen for ease of operation
- 4 modes of operations
- Built-in Instruction Manual in screen (spare parts, punch requirements, etc)
- Torque monitoring prevent die & punch failure



- Up to 10 programmable sequence based on complexity of your parts
- Save jobs based of your sequence
- Parts counter for every sequence completed

- Programmable stroke height from screen for safety of operation
- Safety intelligent stroke offer safety, productivity & speed of operation





Azimuth Clinching press

GEN III

AZIMUTH MACHINERY LTD, is a leading manufacturer of presses, clinching presses & Sheet metal equipment. AZIMUTH is renowned for the quality, its ability to supply custom built presses based on customers' unique specifications, and its outstanding customer and after-sales services.

MAIN FEATURES	 AZIMUTH	OTHER CLINCHING PRESS MANUFACTURER
ACTUATION TYPE	Fully electrical (servo motorized)	Air over-oil system Air / Hydraulic
SPEED OF OPERATION	Up to 600 SPM	Max 150SPM
STROKE	Adjustable 1.25" stroke	Fix stroke 2-3"
MACHINE INTERFACE	Yes	No
MODE OF OPERATION	Safety mode Automatic / Single stroke	Single Stroke only
BUILT-IN SAFETY FEATURES	Yes	Optional
WARRANTY	5 years	From 1-3 years





Azimuth Clinching press

GEN III

The first fully electrical servo motorized clinching press in the industry, our GEN III now meets speed of operation, safety standards & consistency within your clinching joints. Backed up with an outstanding 5 years warranty, you won't have to worry about your clinching unit for a very long time.



EASY INSTALLATION

Fully electrical (220VAC
or 480VAC).
Optional 120VAC



INCREASED PRODUCTIVITY

Programmable HMI allows the
operator to program JOB &
speed of operation



FASTEST MACHINE IN THE INDUSTRY

up 600 strokes per minutes



SAFETY INCLUDED

Safety intelligent stroke
provides safety for operator



SELF MONITORING SYSTEMS

Built-in procedure for easy
maintenance of the machine
& adjustment



TROUBLE FREE

5 years warranty





CLINCHING PROCESS

STEP 1 : CLAMP

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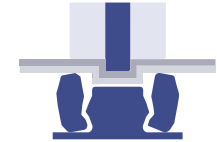
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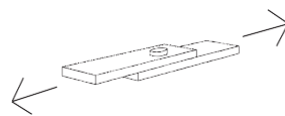
ADVANTAGES

- Vibration-Resistant & Leak proof
- Do not destroy material coating
- Consistent & reliable joint
- May join different thicknesses together
- Long tool life of approximately 300,000 cycles

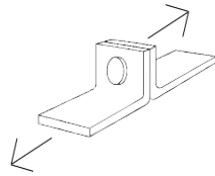
CAN MY MATERIAL BE CLINCHED ?

Mild Steel (galvanized, pre-painted material) or Aluminum are standard materials. Stainless steel & multiple layers of material requires optional tooling.

Joint STRENGTH



FROM 225 lbs. (thinner material) to 600 lbs (thicker material)



FROM 30 lbs. (thinner material) to 250 lbs (thicker material)

Send us your samples today
for a free evaluation





WARRANTY PLAN Clinching Press

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Year's servo, drive & Gear-head, PLC & electrical components warranty

Azimuth machinery warrants to the original purchaser, to repair or, at AZIMUTH MACHINERY'S sole option, replace any major servo failure, servo drive & gear head & ALL Electrical components (greaser, oiler, motor, main controller, sensors or buttons) after examination by AZIMUTH MACHINERY's properly authorized representative, to be defective in material or workmanship under normal use within three (3) years or, if sooner, **5,000,000 strokes** after the original date of shipment from the AZIMUTH MACHINERY plant.

Does not include labor^[1] or diagnostic work. The original purchaser will be responsible for travel costs and expenses.

3

Years mechanical parts warranty (Frame, mechanical components)

Azimuth machinery warrants to the original purchaser, to repair or, at AZIMUTH MACHINERY'S sole option, replace any parts that are found defective (Ball-screw, pitman(s), crankshaft(s), slide, GIBS, RAM, after examination by AZIMUTH MACHINERY's properly authorized representative, to be defective in material or workmanship under normal use within three (3) years or, if sooner, **3,000,000 strokes** after the original date of shipment from the AZIMUTH MACHINERY plant.

Does not include labor^[2] or diagnostic work. The original purchaser will be responsible for travel costs and expenses.

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Lifetime support over phone & online videos

Azimuth machinery offers lifetime support to all its end-users. This means free support over phone & access to online videos for technical support & maintenance tips on new machine.



