

HERCULES



CNC CORNER CRIMPING MACHINE



MACHINE DESCRIPTION

Crimping Press Heads: Equipped with 2 universal blades that incorporate an automatic adjusting system facilitated by a 9-axis servo-controlled mechanism. This ensures precise and synchronized movement of the crimping knives.

Servo Crimping Process: The crimping knives move via servo axes, ensuring perfectly adjusted crimping power. This servo crimping process guarantees synchronous movement of the pressing heads, enhancing the quality and consistency of the crimp.

Clamping Unit: The clamping unit is also equipped with torque control via a servo motor, ensuring optimal clamping power. This feature contributes to the stability and accuracy of the crimping process.

Head Group: Each head group is equipped with 2 blades that are independently adjusted, allowing for precise customization according to specific requirements. Additionally, each head group can move backward and forward on servo axes, further enhancing flexibility and control.

Side Arms for Frame Alignment: The machine includes side arms dedicated to frame alignment, ensuring that the aluminum profiles are correctly positioned for crimping.

Standard Blades: The machine comes with two 4/6 mm blades as standard, suitable for a variety of crimping tasks.

Control System: The machine features 2 pedals for control, allowing operators to manage clamping and crimping functions separately. Additionally, it includes 1 pneumatic piston for stabilizing the corner during the crimping process.

Safety Standards: The machine complies with CE safety standards, ensuring operator safety and adherence to regulatory requirements.

Overall, the inoHERCULES model aluminum corner crimping machine offers advanced features and precise control, making it suitable for demanding aluminum fabrication tasks while prioritizing safety and efficiency.



STANDARD EQUIPMENT

Net Dimensions: 2,100 x 1,370 x 2,040 mm (length x width x height)

Weight: 1,150 kg.

These dimensions and weight provide an overview of the machine's physical footprint and mass, aiding in transportation, installation, and integration into the working environment.

Processing Dimensions

Maximum Height Between Crimping Knives: The maximum height between the two crimping knives is 200 mm. This parameter determines the tallest profile that can be accommodated for crimping within the machine.

Maximum Pressable Profile Height: The maximum height of the profile that can be pressed using the machine is 200 mm. This indicates the tallest profile that the machine can effectively handle during the crimping process.

Minimum Pressable Profile Height: The minimum height of the profile that can be pressed using the machine is 20 mm. This specifies the smallest profile that the machine can effectively process during crimping.

Crimping Pressing Power: The crimping pressing power is adjustable via the servo driver and can be set between 1 to 50 tons. This adjustable feature allows for precise control over the crimping force applied to the profiles, accommodating a wide range of materials and requirements.

These specifications highlight the versatility and capability of the inoHERCULES model aluminum corner crimping machine, making it suitable for a variety of aluminum profile sizes and applications while offering precise control over the crimping process.

Start buttons are operated via pedals for maximum operator ease of use.

Crimping knife set.

Thanks to the 10" touch panel and PLC system, the machine features an easy and automatic adjustment mechanism for different types of profiles.

