

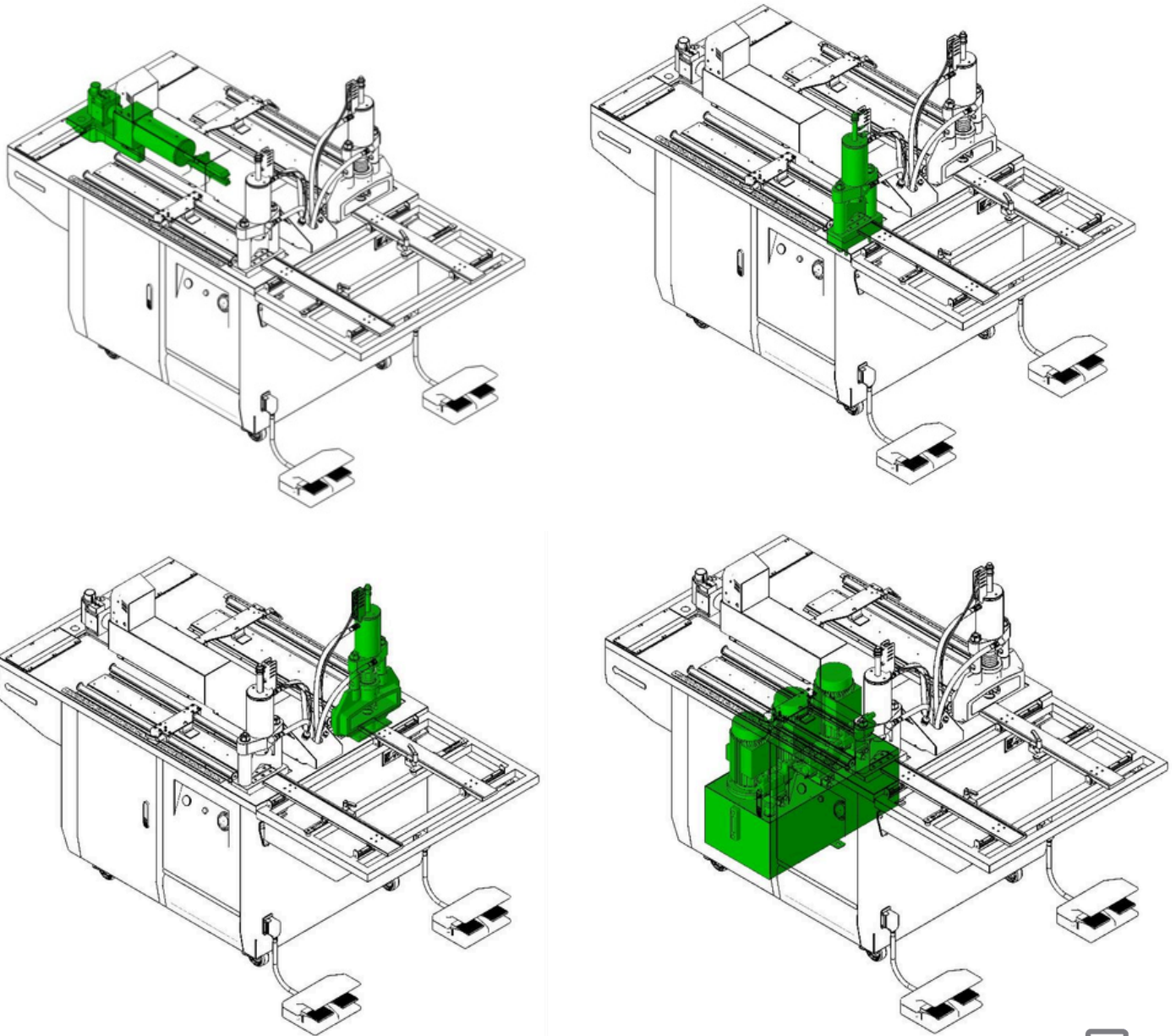


HBC-EA120 EH

Technical Information and Features



The 3-in-1 Economic Busbar Machine provides a compelling solution for contemporary busbar fabrication requirements. Integrating cutting, punching, and bending functionalities within a single, robust device, it offers a streamlined approach to busbar processing suitable for diverse operational scales. Its user-friendly design and economical price point democratize access to advanced fabrication technology. Crucially, this machine is compact in spaces and operates busbars up to 120x12 mm. Furthermore, the incorporation of three independent power packs enables concurrent operation at distinct stations. This capability significantly accelerates project timelines and ensures consistent, high-quality results in busbar fabrication, rendering it a valuable asset for businesses seeking optimized efficiency and productivity.



HBC-EA120 EH: Precision Economic 3 in 1 Machine

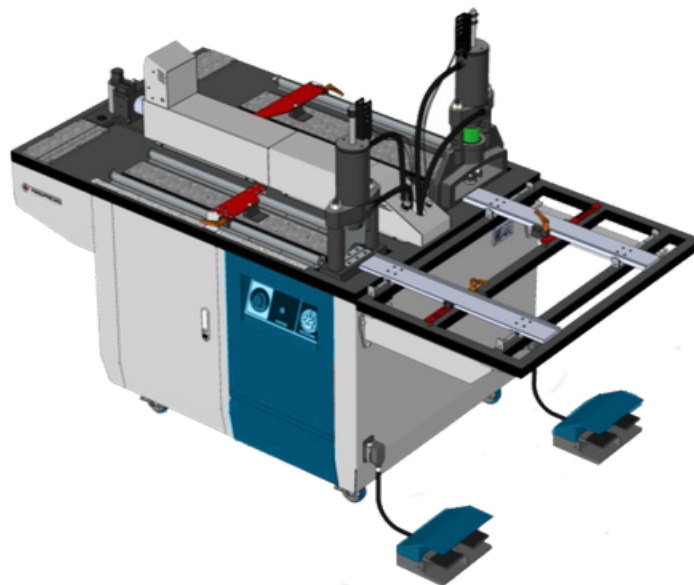
Key Features:

- Space-saving solution: a powerful 3-in-1 machine delivering full functionality for projects in compact areas.
- Enhanced Accuracy: Bender controller equipped with spring back compensation system.
- Optimized Cutting: Center-oriented cutting guide delivers superior cutting results.
- Precise Punching: Laser center finder and programmable length stopper options for accurate punching.
- Smart Manufacturing: Industry 4.0 compatibility for real-time process monitoring.

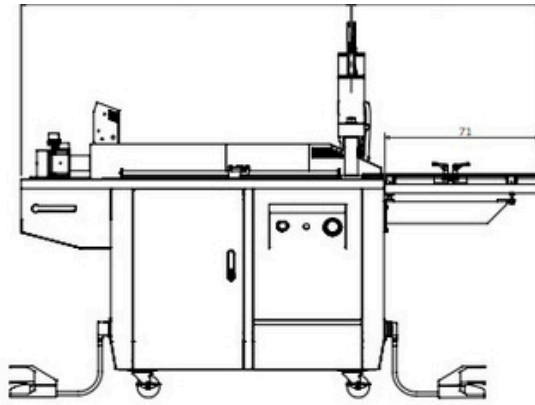
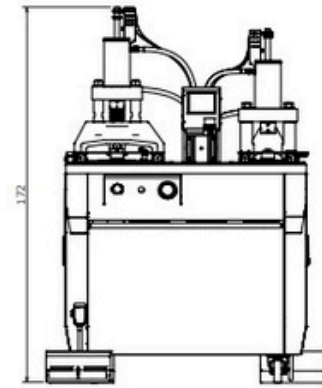
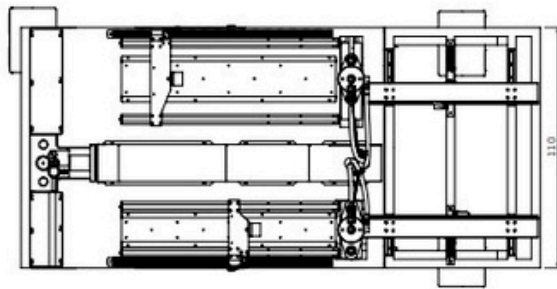
Benefits:

- Economic Price: Combining cutting, punching, and bending into a single unit, this machine delivers exceptional revalue at an affordable price point.
- Consistent Bend Quality: Reliable and repeatable bending performance.
- Improved Productivity: Efficient operations through simultaneous processes.
- Advanced Technology: Integration with Industry 4.0 for smart manufacturing.

The HBC-EA120 EH is an Economic 3 in 1 busbar processing machine capable of Bending in multiple shapes such as; Twist Bending, Step Bending, Narrow Bending etc. and cutting, punching circular, oval, and rectangular holes in copper and aluminum busbars. This Machine is Equipped with one punching station, one shearing station and a precise bending station which can be operated at the same time! This machine delivers precise and efficient operations with a reasonable pricing.



DOYEN



This advanced hydraulic power system delivers exceptional performance and reliability through its triple-redundant power pack design. Simultaneous operation for multiple users is enabled by sophisticated differential pressure circuits and integrated energy storage. Optimized efficiency, reduced noise, and consistent performance are further ensured by efficient fan cooling.



DOYEN

Technical Parameters and Main Components:

Item	Parameter	Unit	HBC-EA120EH
1	Cutting	kN	160
2	Punching	kN	160
2	Bender	kN	220
3	Wide range	mm	15-120
4	Thickness range	mm	3-12
5	Punching range	mm	4.5-20
12	Punching mold	Set	7
13	Cutting mold	Set	1
18	Main machine weight	kg	620
19	Machine footprint (L x W x H)	mm	2380 X 1100 X 1690
20	Max hydraulic force	bar	200
21	Total motor power	kW	5
22	HMI For Bender 4.3"	Delta	
23	PLC	Delta	
24	Pipe joint	RN	
25	Sealing element	KASTAS'	
26	High and low pressure combination pump, hydraulic valve	Tork Hydraulic	
27	hydraulic pump	Arafan	
28	Motor	Electrogen	
29	Hydraulic station power	3 x 1.5kW	
30	Sensor Control	Autonics	
31	buttons AC	Raad	
32	contactor	Schneider	
33	Linear Slider	TBI	

