



H.KLEEMANN
INDUSTRIAL TECHNOLOGIES

**AUTOMATIC BENDING
CENTER
HK-BendCenter990**



**PRICE
FROM:
479.000 EUR**

PRODUCT INTRODUCTION

- H. KLEEMANN flexible bending center focuses on solving various complex sheet metal bending problems in metal forming.
- Through multi-axis concurrent linkage, the dependence on molds and labor is solved, production efficiency is effectively improved, and production costs are reduced.

TECHNICAL PARAMETER

Model	HK-BENDCENTER990		
Bending Length	1500mm		
Bending Height	170mm		
Four-sided minimum forming	280*280mm		
Minimum continuous bending speed	0.5S/knife		
Bending thickness	stainless steel 1.0mm	cold steel 1.2mm	aluminum steel 1.6mm
Fastest feeding speed	120m/min		
Power	50KW		
Bending angle	0-180°		
CNC axis	12		
Machine weight	15T		

BENDING CAPACITY

The bending center can easily realize basic bending styles such as right angle, acute angle, obtuse angle, etc., and can also realize arc, dead edge, return type, closed type, and other complex sheet metal bending requirements.

APPLICATION INDUSTRY

Kitchenware, air conditioners, elevators, fans, ceiling curtain walls, office furniture, cabinets, etc.

BENDING THICKNESS

Steel	Maximum Thickness
Carbon steel(mm)	1.2
Stainless steel(mm)	1.0
Aluminum (mm)	1.6

BENDING PROCESS

Configuration&Function	Configuration&Function
12-axis concurrent control CNC system	Flattening function
High-end hinge knife	Hand wheel
Arc process	Automation product port
Automatic lubrication function	Robot loading and unloading module function
Graphical visualization operation function	Operation and maintenance port

MAIN FEATURES

Higher Bending Accuracy

The machine body has undergone accurate finite element force analysis and adopts a stable triangular interconnection design. The key components are processed with 80mm steel plates to ensure stability under high tonnage impact force.

Servo clamping, Stable feeding

The material is more stable and does not deform.

Stable body, No deformation

Annealing at 600⁰ C to eliminate the internal stress

The gantry milling machine is used to process the machine at one time to ensure the parallelism and verticality of each installation part.

BENDING SYSTEM

Professional CNC system, graphic visualization programming, support two-bit drawing process programming; multi-axis concurrent linkage intelligent CNC system, using EtherCAT bus protocol, can support up to 64 axes.

BENDING KNIFE

The life of the bending knife can reach one million times (thin sheet). High-strength 42Crmo material, after more than ten processing processes such as overall forging, quenching, and tempering, high frequency quenching, etc., makes the bending die more durable and more wear-resistant.

VARIOUS BENDING SHAPES

The bending tool can complete the shape of non-right angle, right angle, circular arc, pressing dead edge, etc.

HIGH EFFICIENCY AND PRECISION

The HK-BENCENTER990 is a new generation of fully automatic multilateral bending center. The product not only saves a lot of manpower, but the bending speed is 3 times that of the CNC bending machine, reaching 0.5s/time.