



KATANA saws can be equipped with automatic:

- Powered infeed and outfeed conveyor systems
- Transfer tables using lift and carry carts or catches
- Integrated magnetic system for the automatic removal of trim cuts, drops and parts up to 4 ft. in length
- Rack and pinion measuring systems to achieve the ultimate in accuracy and repeatability
- Pegaso CNC control unit to automatically manage the cutting cycles and to connect the machine with the network to manage all activities



Automatic System Layout

TECHNICAL CHARACTERISTICS

KATANA STAND-ALONE BAND SAWS

MODELS		K100	K115	K126	K206	K258
Sawing capacity at 90°	Inch	40" x 17-3/4"	43-1/4" x 20"	49-1/4" x 23-5/8"	78-3/4" x 23-5/8"	100" x 32"
Saw mitering	Degrees	± 60	± 60	± 45	± 45	± 45
Blade size	Inch	1.61" x .051"	2.12" x .051"	2.63" x .063"	2.63" x .063"	2.63" x .063"
Band saw motor	HP	12	20	20	20	20

KATANA CNC BAND SAWING LINES

MODELS		K100L	K115L	K126L	K206L	K258L
Sawing capacity at 90°	Inch	40" x 17-3/4"	43-1/4" x 20"	49-1/4" x 23-5/8"	78-3/4" x 23-5/8"	100" x 32"
Saw mitering	Degrees	± 60	± 60	± 45	± 45	± 45
Blade size	Inch	1.61" x .051"	2.12" x .051"	2.63" x .063"	2.63" x .063"	2.63" x .063"
Band saw motor	HP	12	20	20	20	20
CNC Axis	No.	3	3	3	3	3

Please review FICEP's terms and conditions of sale and system specifications that are in our formal proposal. The manufacturer reserves the right to change specifications and features from those indicated in this brochure. Current specifications and features are part of the formal quotation.



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KATANA

Automatic CNC band sawing systems



MADE IN ITALY



KATANA Automatic CNC band sawing systems

The latest in structural steel processing

The KATANA range of saw lines from FICEP represents the latest technology in High Performance band sawing for processing structural steel. All functions are CNC controlled as no manual adjustments are required when changing section sizes. The speed at which the blade advances through structural steel is constantly adjusted to maintain an optimum feed rate.

These extremely productive saws can carry out sawing operations at 90° or at miters up to 60° in both directions by a rack and pinion drive as directed by program control. The Katana saws can be installed as a stand-alone CNC sawing unit or combined with a FICEP drilling line using the same CNC control and program.

Strength and performance

The frames of the KATANA saws are made of an electro-welded tubular bridge type structure with stiffeners to achieve the maximum torsion and stiffness for precise cutting results without vibrations. All lineal motions such as the head feed and clamps are guided with multiple prismatic ways.

Esthetics

The electrical system is integrated into the Katana saws for simplicity and to reduce the system footprint.



Brush for blade cleaning



Vertical hold-downs



Pegaso is the new generation CNC for Ficep machines. PC, CNC and PLC are all integrated on a single board to have the maximum reliability and simplicity. Pegaso is based on field bus technology: Can Bus and Ether CAT, with up to 32 axes controlled.



Independent vices



Automatic unloading device with magnet



MAIN FEATURES



The KATANA saws are the result of the extensive experience that the FICEP engineering team has achieved designing productive systems for the fabrication of structural steel for decades. This wealth of experience and engineering talent has permitted us to implement several features that achieve the maximum cutting performance when processing structural steel.

All the latest innovations are implemented into processing features to provide the maximum cutting results:

- Hydraulic blade tightening
- Double blade-guides: fixed side and mobile side automatically pre-adjustable
- Synchronized brush to remove the chips from the teeth of the band saw blade
- Hydraulic vertical hold-downs that slide on prismatic guides
- Blade lubricating/cooling system is included in the working cycle without flood coolant
- Two independent hydraulic vices to clamp the profile while being cut either at 90° or at a programmed mitered position
- User friendly CNC



Katana saw combined with Endeavour drilling line

