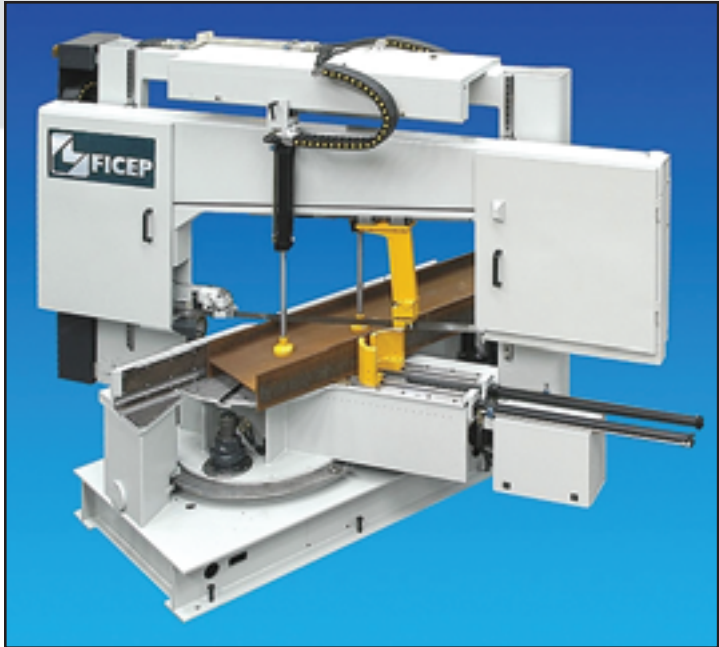


# Ficep Band Saws



The Ficep band saws are specifically designed to provide the most efficient and productive processing of structural steel.

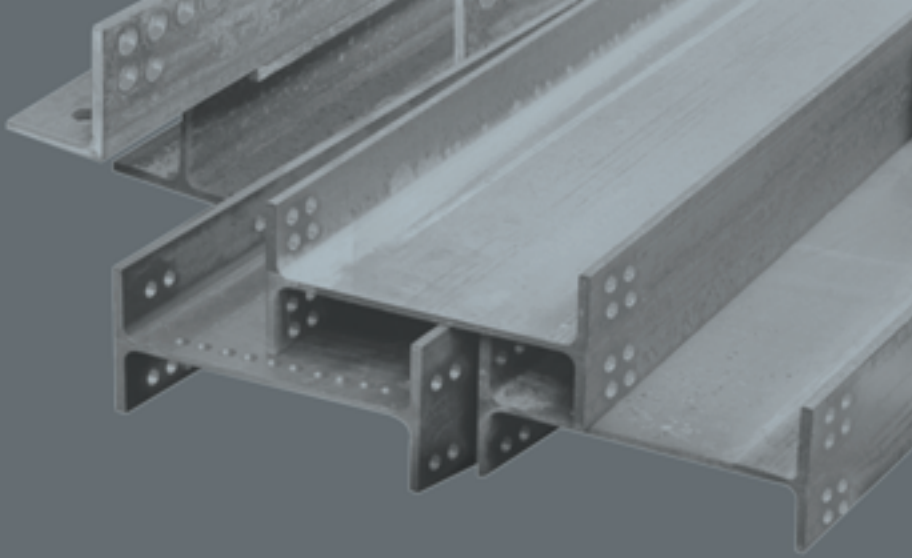
All the Ficep band saws feature totally enclosed bridge type structures for the optimum guiding of the blade through the member. The blade orientation is canted to reduce the cutting load as the blade travels through the flanges and the web. The rate of feed adjusts automatically as the cutting load changes with the deviation in the cross section to be processed.

Band Saw Specifications							
Model	30/16	38/18	44/19	603 BH	1045 BH	1150 BH	1260 BH
Maximum Width	30"	38"	44"	24"	40"	44"	48"
Maximum Height	16"	18"	19"	12 1/8"	17 1/2"	20"	24"
Blade size	1.5"	2"	2.62"	1.34"	1.6"	2"	2 5/8"
HP	7.5	10	18	5.5	10	15	15

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## MATERIAL HANDLING SYSTEMS

for the most cost effective processing of structural steel





**Lift and Carry Transfer Systems**  
Provide some of the Most  
Versatile Solutions to Material  
Handling Challenges in Today's  
Structural Fabricating and Steel  
Service Center Facilities

The lift and carry transfer systems by Ficep Corporation features multiple stands based upon the maximum and minimum section length that is to be conveyed. Each stand contains a chain driven material positioning cart. The material position cart is guided along a structural track and lifts hydraulically so the section can be positioned effortlessly and without objectionable noise to the next required location.

The material positioning carriages can also be used to square a beam up against the datum of a conveyor line. Transfer systems of this design are traditionally implemented in material handling systems to accomplish:

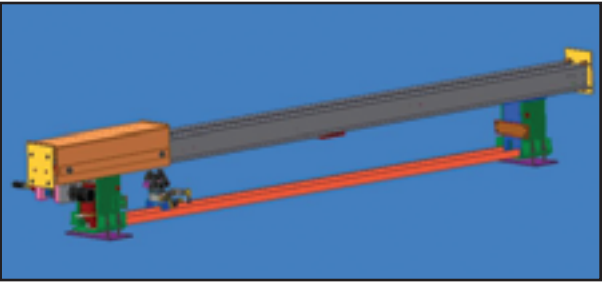
- Material loading on to a roller conveyor.
- Transferring sections from one conveyor to another parallel conveyor line.
- Unloading of sections from an exit conveyor.

The Ficep Corporation lift and carriage transfer system feature the "Select-A-Section" feature where the number of transfer stands can be divided into two groups. This design

permits the first half of the table to lift as required while the other stands remain inactive or vice versa. This feature doubles the effective usable storage capability of the transfer table as sections can be stored side by side yet only the requested section will advance as required.

The vertical height position of the carriages for material loading is automated based upon the operators selection to any of the three positions:

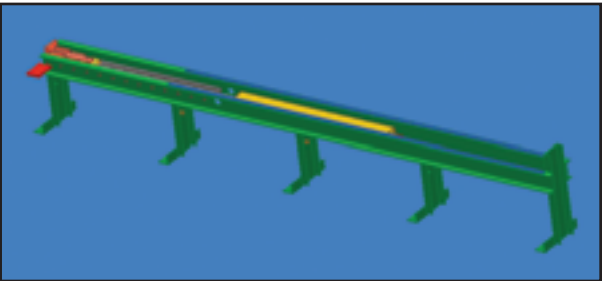
- Inactive
- Material Squaring
- Transferring



Horizontal Unloaders

**Horizontal Unloaders for the Most  
Cost Effective Method of Unloading Sections**

The Ficep Corporation hydraulically powered horizontal unloaders are the simplest and most cost effective method to unload sections from a conveyor line. Each stand is equipped with a long stroke (50") hydraulic cylinder and a catch or dog that is used to secure the flange of the section and remove it from the conveyor line.



Full CNC Material Handling

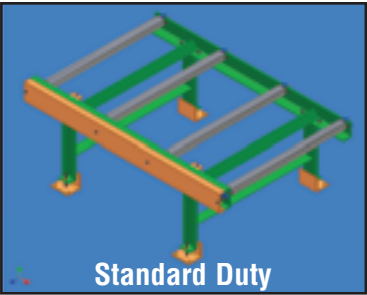
Ficep Corporation also offers completely automated material handling systems as part of their CNC controlled sawing systems. These fully automated systems perform the following operations without operator intervention:

- Selection and transfer of the stock length to the infeed conveyor system.
- Conveying of the section to make the trim cut.
- Removal of the trim cut.
- Measuring and sawing to length of the section based upon the CNC program.
- Discharge of the programmed cut length to the optimum location for unloading.
- Automatic unloading of the cut length to the discharge transfer table.

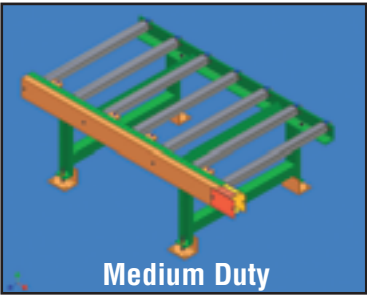
Even short cut lengths that are too short for conveying are automatically unloaded without operator involvement.

Roller Conveyors

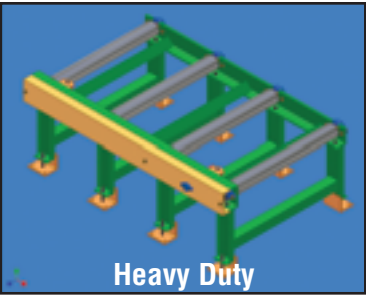
The Ficep modular conveyors are furnished in 5 and 10 foot length to accommodate typical transfer tables spacing. The units can be furnished in widths of 40", 44" and 48" and to accommodate sections weighing



Standard Duty



Medium Duty



Heavy Duty

	Standard Duty	Medium Duty	Heavy Duty
Weight per foot	300 lbs.	500 lbs.	730 lbs.
Roller centers	28 7/16"	14"	25 1/2"
Roll diameter	4"	4"	5 1/2"
Shaft diameter	1 3/16"	1 3/16"	2 3/16"