

# Product Information

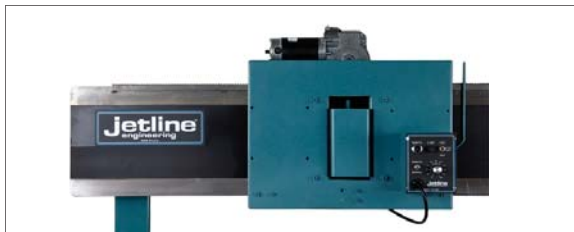
## BKT BUILDERS KIT

- Low Cost Automation
- MIG & Sub-Arc Applications
- Three Kits to choose from
- Custom Options Available

The BKT Builders Kit is the perfect, cost-saving answer for simple MIG and Sub-Arc applications. Each kit includes a powered carriage with DC motor and control, and a drawing package that allows the customer to manufacture the track and mounting columns. The carriage is designed to carry a welding process and traverse along the customer supplied track. If required, Jetline can provide the track and mounting columns manufactured for your application. As options to the carriage, Jetline can provide hand crank slides to mount and position a wire drive.

Three styles are available. A manual disengage clutch is included with each.

### BKT-MIG BUILDERS KIT



This simple yet powerful builder's kit is designed for fabricators who want to upgrade or automate their welding application in a cost effective way.

The 300 lb (136 kg) carrying capacity carriage is powered by a sturdy gear rack and pinion drive style mechanism. For fast torch positioning and home return, the carriage motor can be disengaged from the track with the help of a manual clutch. The face plate of the carriage is designed to allow easy mounting of a torch, wire feed drive, and controls. A simple wire drive lift is included. The TD-1000-14B carriage speed control is a proven design and, along with travel speed control, it allows a quick selection between forward and reverse travel directions. The 9627 microprocessor control can be supplied as an option. The kit contains all the necessary components for a simple do-it-yourself, automation project.



The above photo, as shown in the Miller 2003 catalog, is of the BKT-SAW Builders Kit with the following system enhancements:

- Jetline FMP-1500 Welding Positioner
- Jetline HCS-250-5x5 Dual Axis Hand Crank Slide
- Miller Summit Arc 1000 Power Source
- Miller HDC-1500 Automatic Weld Control
- Miller Flux Hopper with valve
- Miller RAD Wire Drive Assembly
- Miller OBT Torch

### BKT-SAW BUILDERS KIT



Carriage shown with mounted SAW process

This kit was designed with the Submerged Arc Welding (SAW) process in mind and it is an excellent fit for fabricators who need an easy to assemble kit to automate their SAW welding. Necessary brackets and hardware are available to mount the wire drive, flux hopper, and two hand crank style, 500 lb (227 kg) capacity slides for easy torch positioning. The 9627 microprocessor control provides precise control through programmable settings. Options available for the 9627 control include limit switch stop, home limit switch, tach feedback for high accuracy travel speed, and wait for arc on signal.

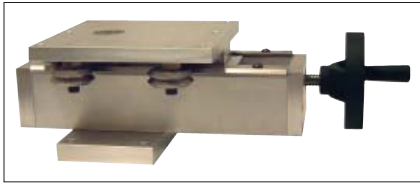
# BKT BUILDERS KIT

## BKT-HD HEAVY DUTY BUILDERS KIT



This kit can easily handle 1,000 lb (454 kg) in a heavy duty environment. It is built to provide accurate and consistent travel speeds for heavy load applications. The 9627 microprocessor control provides precise control through programmable settings. Options available for the 9627 control include limit switch stop, home limit switch, tach feed back for high accuracy travel speed, and wait for arc on signal.

## Optional HCS-250-5 Hand Crank Slides



Jetline HCS-250 series hand crank slides are of heavy duty construction and are ideal for carrying either a GMAW or SAW wire drive. The standard single axis slide, with 5" (125 mm) vertical or horizontal travel, can be bolted to a second slide for dual axis travel. Also available is the model HCS-250-5X5-RO which provides 90 degrees of rotation. Weight carrying capacity is 250 lb (110 kg) at 12" (300 mm).

The slides are manufactured of extruded aluminum channel. Fine adjustment is through a large hand wheel.

## Optional Mounting Brackets

A complete range of brackets to mount a welding head to the carriage is available. The brackets are fitted with cross slides to adjust the torch position relative to the weld joint, these include X, X-Y, X-Y-Z and combinations with rotation and tilt facilities.

## Optional Parts & Accessories for all Kits:

- 9627 Automatic Carriage Control (BKT-MIG)
- Track manufactured in standard lengths up to 20' (610 cm) long
- L515 Gear Rack
- HCS-250-5 single axis hand crank slide  
HCS-250-5x5 dual axis hand crank slide  
HCS-250-5x5-RO dual axis, with rotary base
- Mounting brackets
- APS-100-4 Torch Lift
- PTL-4 Pneumatic Torch Lift (BKT-MIG)
- Mounting Columns to a specified height (up to 74" (1880 mm) from the floor to the bottom of the carriage)

## Specifications:

### BKT-MIG

Carriage:	21" x 15.25" (533 x 387 mm)
Load Capacity:	300 lb (136 kg) @ 12" (305 mm)
Lift platform:	7" x 4" (178 x 102 mm)
Wire Drive:	Vertical lift .75" (19 mm).
TD-1000-14B:	5" wide x 6" high x 4" deep (127 x 152 x 102 mm)
Shipping weight:	145 lb (66 kg) approximate
Package size:	30" L x 24" W x 20" H (762 x 610 x 508 mm)

### BKT-SAW

Carriage:	27" x 17.13" (686 x 435 mm)
Load Capacity:	300 lb (136 kg) @ 12" (305 mm)
9627:	10" wide x 8" high x 6" deep (254 x 203 x 152 mm)
Shipping weight:	240 lb (109 kg) approximate
Package size:	36" L x 30" W x 31" H (914 x 762 x 787 mm)

### BKT-HD

Carriage:	29" x 18.25" (737 x 464 mm)
Load Capacity:	1000 lb (454 kg) @ 12" (305 mm)
9627:	10" wide x 8" high x 6" deep (254 x 203 x 152 mm)
Shipping weight:	420 lb (191 kg) approximate
Package size:	60" L x 36" W x 26" H (1524 x 914 x 660 mm)

See Jetline price list for complete ordering information

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