

# PANDJIRIS, INC

5151 Northrup • St. Louis, MO 63110 • (314) 776-6893

## VARIABLE SPEED CARRIAGES

The Pandjiris Variable Speed Carriages are heavy duty travel carriages capable of supporting substantial loads at specified distances from the faceplate. Variable travel speeds from 3 to 116 IPM are standard on Models VSC-15-3 and VSC-21-12. The Model VSC-40-12 carriage is equipped to deliver travel speed from 6 to 180 IPM. The carriages use a rack and pinion drive system equipped with Pandjiris' EZ LINK™ Series PVSC-L Control. The VSC-15-3 carriage is also available in a non-powered version, Model M-15-3. A manual lever to disengage the drive pinion, allowing the carriage to be manually located anywhere along the length of the side beam is provided standard on Model VSC-15-3 and M-15-3.

**MODEL VSC-15-3 CARRIAGE (1,500 lbs. @ 3")**  
**MODEL M-15-3 Carriage**

**MODEL VSC-21-12 CARRIAGE (2,100 lbs. @ 12")**  
**Manual Disengage Lever**

**MODEL VSC-40-12 CARRIAGE (4,000 lbs. @ 12")**

Panjiris offers two sizes of precision side beams for the above carriages. The Model VSC-15-3 and the Model VSC-21-12 carriages ride on standard PBT-12/96 Side Beam, and the Model VSC-40-12 Carriage rides on PBT-15/144 Side Beam. The side beam and track blade assembly is an all steel fabrication designed to provide an accurate travel path for the precision carriage. The track blade is a precision blade assembly designed with Pitch and Yaw adjustments along its entire length to allow alignment adjustments for carriage travel. The side beam is supported by a minimum of two vertical stanchions. The Model 60 stanchion positions the track at approximately 60" above the floor. The Model 60-A provides pinned adjustment of the side beam from 30" up to the 60" location.

**MODEL PBT-12/96 (8' LONG)**

Price for random length, add per foot ..... Consult Factory

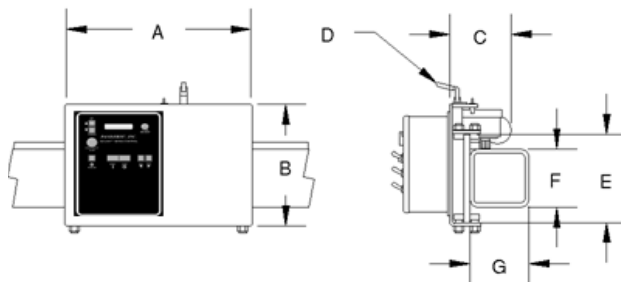
**MODEL PBT-15/144 (12' LONG)**

Price for random length, add per foot ..... Consult Factory

**MODEL 60 STANCHION**

**MODEL 60-A ADJUSTABLE STANCHION. ea.**

For other height stanchions..... Consult Factory



	VSC-15-3	VSC-21-12	VSC-40-12
A	26-1/4"	26-1/4"	48-3/4"
B	17"	17"	20"
C	8-1/2"	10"	6-5/8"
D	Disengage Lever	Optional	N/A
E	12"	12"	14-1/2"
F	8"	8"	10"
G	6"	6"	10"

**Terms:** Pandjiris, Inc. standard terms and conditions apply, f.o.b. Factory, St. Louis, Missouri, or designated ship point.

Approx. Shipping Weight

15-3 100#  
 21-12 150#

**Delivery:** Consult factory.

PRICE LIST	
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## VARIABLE SPEED CARRIAGE Optional Controls & Accessories

### MVSC CARRIAGE CONTROL OPTIONS:

#### Forward/Reverse Limit Switch

- Provides automatic carriage travel stop in the forward and reverse direction.
- Provides output to shut-off welder upon forward limit switch contact.  
*(when weld start/stop is integrated to the welder)*
- Provides automatic carriage stop during programmed automatic return home.

#### Weld Start/Stop Integration

- Start and stop functions of welder controlled from carriage and integrated by Pandjiris, Inc.  
Includes automatic weld travel with programmed start and stop delay timer.

#### Over-Travel Limit Switch

- Sends a signal to shut off the welding arc and continues traveling for the programmed travel stop delay time.
- Can be used to continue carriage travel during downslope or crater times.
- Can be used to continue travel after the weld shuts off for the period of time required to pick up the remaining flux while using the SAW process.

#### Current Sensing Box

- Provides an arc on signal to carriage upon arc initiation.

#### Encoder

- Provides capability to program travel distance in inches (linear) or degrees (circumferential).



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