

1.25

3.25

5.25

7.25

9.25

11.25

13.25

15.25



Roller conveyors
Length adjustment stops
Length measuring systems

Periphery

- ◊ Input and Output Roller Conveyors
- ◊ Length stops
- ◊ Roller conveyors with measuring devices
- ◊ Electronic length measuring systems

High productivity and low costs per piece

Is your circular saw used to its optimum?

BEHRINGER EISELE offers an all-round program for length measuring, ranging from manually adjusted length stops to electronic length measuring systems with highly modern measuring controls.

The measuring systems are designed according to the following principles:

- ◊ Achieving the highest efficiency possible by reducing set-up times and measuring times
- ◊ Quick and reliable length positioning of the material
- ◊ User-friendly
- ◊ Robust construction, designed for continuous operation, nearly maintenance-free
- ◊ Easy mounting to all machines
- ◊ Left hand side and right hand side models are available



Length measuring systems

Quality

General technical data:

Roller conveyor width for fitting to VMS-series
Roller conveyor width for fitting to PSU-series
Roller conveyor measuring length in 39.3" steps
Robust steel rollers on ball bearings
Includes mounting bracket for fitting to the machine
Includes inserting sheets for automatically adjusting measuring system
Tilting stop slide
Measuring accuracy $\pm .004'' / 39''$

Behringer Eisele reserves the right to make technical and construction improvements. Illustrations, dimensions and weights are not binding.

Roller Conveyors

for the VMS- and PSU-series

- ◊ Roller conveyor lengths range from 39.3" to 236.2"

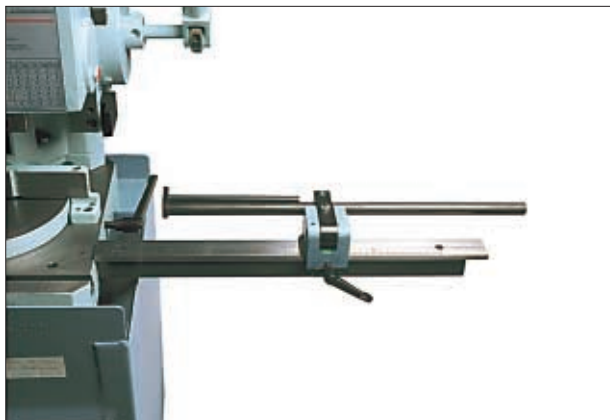
Optional:

- ◊ Insert sheets



Length stops

for the VMS-series

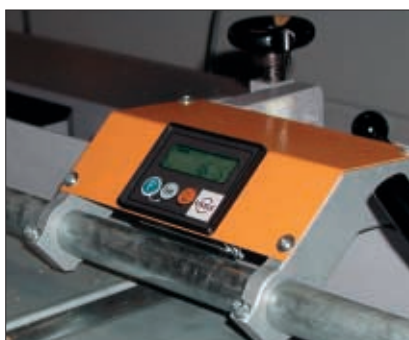


- ◊ Light-weight length stops with a length of up to 19.6 to 39.3"
- ◊ Length adjustment by using a measuring ruler

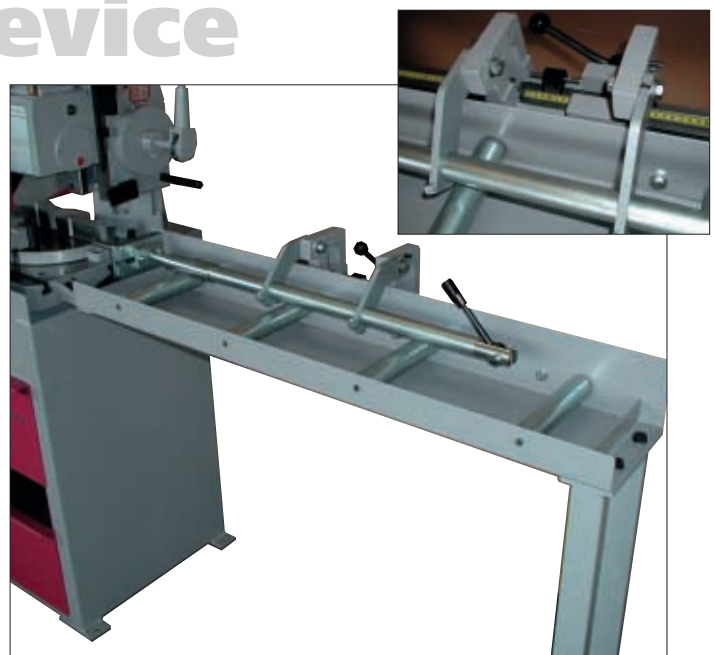
Roller Conveyors with Measuring device

for the VMS- and PSU-series

- ◊ Manual adjustment and final positioning
- ◊ The steel measuring tape is plastic-laminated
- ◊ Manual retracting of the stop block by .31"



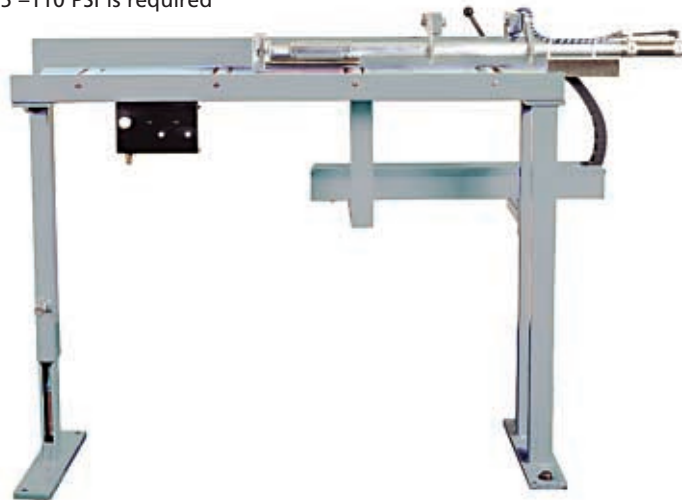
- ◊ Optional: digital display and micrometer-adjustment



Roller Conveyors with Measuring device and pneumatically-operated retracting of the stop block

for the VMS- and PSU-series

- ◊ Manual adjustment and clamping of the stop
- ◊ The steel measuring tape is plastic-laminated
- ◊ Pneumatic retracting of the stop block by 3.9"
- ◊ Resetting to measuring position by means of a pressure switch
- ◊ Optionally available with digital display and micrometer-adjustment
- ◊ A compressed-air supply of 85 – 110 PSI is required



MHK-L

Electronic Length Measuring System

for the VMS- and PSU-series

- ◊ Manual length adjustment via hand wheel, dimensions are shown on a digital display
- ◊ Pneumatic clamping of the stop block, spring loaded
- ◊ Pneumatic retracting of the stop block by 3.9"
- ◊ Digital piece counter up to 999, subtracting
- ◊ Maintenance unit is included
- ◊ A compressed-air supply of 85 – 110 PSI is required



Electronic

ELA

Electronic Length Stop

for the VMS- and PSU-series

- ▷ Fully automated positioning system
- ▷ Very efficient, as there is no time-consuming positioning procedure required
- ▷ Measuring error compensation feature
- ▷ Maintenance-free servo-motor
- ▷ Retracting is effected by the servo-motor after each cut
- ▷ Maintenance unit is included
- ▷ A compressed-air supply of 85 – 110 PSI is required



ELM Electronic

Electronic Length Measuring System

for the VMS- and PSU-series

- ▷ Fully automated positioning system meeting highest standards
- ▷ Very stable aluminium construction with integrated cable channel
- ▷ Pneumatic clamping of the stop block, spring loaded
- ▷ Measuring error compensation feature
- ▷ Maintenance-free servo-motor
- ▷ Pneumatic retracting of the stop block by 3.9"
- ▷ Digital piece counter up to 999, subtracting or adding
- ▷ 4-Quadrant control system
- ▷ Maintenance unit is included
- ▷ A compressed-air supply of 85 – 110 PSI is required



Length Measuring System

Electronic Length Measuring System

for the VMS- and PSU-series

- ▷ Basic design as ELM
- ▷ 990 programmable data records are additionally available
- ▷ There are 33 programs with 30 working records in each program

Optional:

- ▷ Pneumatic tilting stop slide
- ▷ Calculation of angles
- ▷ RS 232- or RS 422 –Interface
- ▷ Interface transformer



Carriage

for the electronic length measuring systems ELM / ELS

- ▷ Carriage with 12-fold ball bearing
- ▷ Measuring procedure is effected via a rack/pinion and not via a timing belt
- ▷ The driving pinion and the measuring pinion are not the same (so there is no wear and tear on the measuring pinion)
- ▷ Pneumatic spring-loaded clamping mechanism (Zero point is maintained, even in case of power failure, or compressed-air supply failure)



Carriage, rear view,
with cover sheet removed.

Several hundreds of thousands of BEHRINGER EISELE sawing machines sold worldwide are proving our expertise and competence in designing high-quality sawing machines!

Our sales program includes

- ▷ Semi-automatic circular saws with upward cutting saw unit for straight and mitre cutting
- ▷ Our modular construction system allows for further extending up to 3-axis CNC-controlled sawing centres to be constructed
- ▷ Fully-automatic straight-cut sawing systems for nearly any machinable steel material
- ▷ Fully-automatic straight-cut sawing systems for aluminium and non-ferrous metals
- ▷ Specially designed saws and tailor-made system solutions



BEHRINGER SAWS, INC.

721 Hemlock Road
 Morgantown, PA 19543
 Telephone: (610) 286-9777
 Fax: (610) 286-9699
 TOLL FREE: (888) 234-7464
 E-Mail: sawing@behringersaws.com
 Internet: www.behringersaws.com

