

# Our Machines for Roller Shutter Production & Assembly

### Aluminum or Plastic - The Choice is Yours!



# ATX 1500 Entry-Level Model for Aluminum Roller Shutters

Automatic roller shutter locking machine with infeed for ALU slats that have already been cut to size and end piece locking on both sides



#### Workflow

- ☐ The operator sets the width of the roller shutter in the machine by hand. A cut slat is used as a sample piece for this purpose.
- $\Box$  The machine has a swing-in stop on both sides (fixed and mobile part).
- □ The operator inserts a cut slat into the machine, which is recognized and drawn in.
- End pieces are automatically inserted and embossed in every second slat.
- A counter monitors the number of slats. Once the set number of slats has been reached, the machine stops.

#### **Technical Data**

Length Width Height Weight Power supply Air pressure 
 7.500
 mm

 1.500
 mm

 1.200
 mm

 1.000
 kg

 400 V / 50
 Hz / 3 phases

 approx. 7
 bar





# **E-Volet** All-Round Machine for Aluminum Roller Shutters

Fully automatic roller shutter curtain locking machine with integrated saw for cutting and locking ALU slats with end piece locking on both sides: up to 6 different slat sizes can be processed



the magazines in the width

Adjusting the slats



magazines in the

height



Fine adjustment of the magazines

### Highlights

- Electronically controlled cross transport of the slats by ball screws.
- Easy adjustment of the magazines (mobile + fixed)
- Residual piece optimization
- Roller shutter width min. 400 mm, max. 4,000 mm

#### Workflow

- The perforated and unperforated slats are fed onto the loading device. This means more efficient and faster work with the loading device and increases the capacity of the system. Of course, they can also be loaded individually, shoulder to shoulder.
- The machine now automatically picks up the slats one by one and pushes them against the width stop, after which they are cut to size.
- Cut to width, the ALU slats are locked in place by automatically inserting the end pieces from each slat side and every every second slat. The end pieces are embossed on both sides. The roller shutter is wound up automatically.
- We recommend processing the slats as 4 or 5-piece carpets.

### **Technical Data**

Length Width Height Weight Power supply Air pressure

12.400 mm 1.770 mm 2.000 mm 1.700 kg 400 V / 50 Hz / 3 phases approx.7 bar





# E-Volet plus All-Round Machine for Aluminum Roller Shutters

Fully automatic roller shutter curtain locking machine with integrated saw for cutting and locking ALU slats with end piece locking on both sides; up to 6 different slat sizes can be processed



### Highlights

- Electronically controlled cross transport of the slats by ball screws.
- Automatic adjustment of the magazines (mobile + fixed)
- Residual piece optimization
- 🗌 Roller shutter width min. 400 mm, max. 4,000 mm

#### Workflow

- □ The perforated and unperforated slats are fed onto the loading device. This means more efficient and faster work with the loading device and increases the capacity of the system. Of course, they can also be loaded individually, shoulder to shoulder.
- The machine now automatically picks up slat by slat and pushes them against the width stop, after which they are cut to size.
- Cut to width, the ALU slats are locked in place by automatically inserting the end pieces from each slat side and at every second slat. second slat. The end pieces are embossed on both sides. The roller shutter is wound up automatically.
- □ We recommend processing the slats as 4 or 5-piece carpets.

### **Technical Data**

Length
Width
Height
Weight
Power supply
Air pressure

12.400 mm 1.770 mm 2.000 mm 1.700 kg 400 V / 50 Hz / 3 phases approx. 7 bar







# ATX 3000 Production Machine for Aluminum Roller Shutters

Roller shutter curtain locking machine with volume storage, double slat feed, integrated saw for cutting and locking ALU slats with end piece locking on both sides



### Highlight

Electronically controlled cross transport of the slats by ball screws.

#### Workflow

- 2 slats of 6 m each are pulled in at the same time, cut to size, transported further and locked in place.
- ☐ Thanks to the volume memory, up to 400 m of bar stock can be stored.
- □ The roller shutter is automatically rolled up or laid flat.
- The slats must be processed in a 4 or 6-piece carpet on the machine.
- Offcuts smaller than 400 mm are automatically disposed of at the front in a collection container, larger offcuts are automatically disposed of at the rear for further processing.



#### **Technical Data**

Length Width Height Weight Power supply Air pressure 11.500 mm 2.000 mm 1.200 mm 2.000 kg 400 V / 50 Hz / 3 phases approx. 7 bar



# **PFX 2200** All-Round Machine for Plastic Roller Shutters

Fully automatic roller shutter armored locking machine with integrated saw for cutting to size and locking of PVC slats by wire locking; up to 3 different slat sizes can be can be processed



#### Workflow

- ☐ The perforated and unperforated slats are fed onto the loading device. This means more efficient and faster work with the loading device and increases the capacity of the system. Of course, they can also be loaded individually, shoulder to shoulder.
- Cut to width, the PVC slats are locked in place by the automatic insertion of a stainless steel wire at every second slat. The roller shutter is wound up automatically.
- ☐ The loading device can hold a maximum of 6,500 mm long slats. We therefore recommend processing the slats as carpets of 4 or 5 slats.
- Residual pieces smaller than 300 mm are automatically disposed of at the front in a larger offcuts are automatically disposed of to the rear for further processing. for further processing.

## Up to 100 Roller 5hutters per 5hutters fer 5hift

#### **Technical Data**

Length Width Height Weight Power supply Air pressure 11.200 mm 1.500 mm 1.200 mm 1.500 kg 400 V / 50 Hz / 3 phases approx. 7 bar



# MP2C 3000 Drilling System for Guide Rails

Drilling system with positioning gripper for processing roller shutter guide rails up to max. 3000 mm in pairs or individually



### Highlight

 $\Box$  Quick and easy conversion to another guide rail

#### Workflow

- The operator places the cut guide rails in pairs by hand into the positioning gripper to the stop (mirror image).
- □ The operator selects the desired drilling program and presses "Start".
- □ The automatic work process begins the rails are clamped and drilled pneumatically.
- Further positioning steps drilling of subsequent hole fields depending on the length of the guide rail.
- After drilling, the finished pair is ejected.
- $\hfill\square$  The next pair of guide rails is inserted and processed.

### **Technical Data**

Performance of the machine

Diffuser (cross section G.R.) H x W Speed drilling units Connected load Power supply Air pressure Air consumption Supply line approx. 200 GR pairs per 8-hour shift depending on the number of boreholes

 95 x 70
 mm

 18.000
 1/min

 approx. 3.0 kW

 400 V / 50 Hz / 3 phases

 6
 bar

 approx. 50
 Ltr./sec.

 3/4
 Inch





# MP2C 6000 CH Drilling and Sawing System for Guide Rails



#### Workflow

- □ Scanning order/orders if several FS are to be produced from one bar.
- Place the guide rails in pairs in the feed magazine (opt. feed magazine).
- Press the enable button for START (fully automatic from here on).
- DUSHER grabs the two FS bars and pushes them into the machine for sawing (first cut).
- □ Subsequent drilling from above, below depending on program specification.
- At the end of the drilling process, the FS is cut to length.
- The outfeed roller conveyors transport the profile onto the motorized roller conveyor, which transports the profile to the end of the deposit table.
- $\Box$  The pusher pushes the FS sideways onto the storage table.

#### Arrangement of the drilling spindles:

- □ 2 drilling spindles from above
- □ 2 drilling spindles from below
- □ 2 drilling spindles from the sides

#### **Technical Data**

Performance of the machine

Diffuser (cross section G.R.) H x W Speed drilling units Connected load Power supply Air pressure Air consumption Supply line

approx. 200 GR pairs per 8-hour shift depending on the number of boreholes

 100 x 40
 mm

 24.000
 1/min

 approx. 3.0 kW

 400 V / 50 Hz / 3 phases

 6
 bar

 approx. 50 Ltr./sec.

 3⁄4
 Inch





# **RC AX 6000** Sawing System for Roller Shutter Shafts

Sawing system with integrated band saw for cutting to length roller shutter shafts



### Highlight

- □ Shortest section 150 mm
- □ Longest section 5,000 mm

#### Workflow

- This system was specially developed for cutting roller shutter shafts with a maximum length of 6,000 mm and a diameter of 40 to 100 mm to length.
- □ The storage for the shafts is loaded manually with up to 10 shafts of 6,000 mm length each.
- The operator enters the cutting length manually or via a barcode scanner.
- Data can also be received via Ethernet.
- $\hfill\square$  The system then processes the shafts autonomously.
- The operator only has to fill the magazine with new shafts from time to time and remove the already cut shafts for further processing.



### **Technical Data**

Performance of the machine

Programmable travel distance Drive power bandsaw Dimensions (approx. length) Power supply Air pressure Air consumption Supply line approx. 800 waves per 8-hour shift

7.000 mm approx. 3.0 kW 13.000 mm 400 V / 50 Hz / 3 phases 6 bar approx. 50 Ltr./sec. 3⁄4 Inch



# Assembly and test bench for aluminum and PVC roller shutter boxes



#### Main Dimensions of the System

Length	4.500	mm
Height	3.500	mm
Depth	1.300	mm
Weight	1.000	kg

#### Main Dimensions of the Roller Shutter Box

Width min.	400	mm
Width max.	3.000	mm
Height min.	500	mm
Height max.	3.000	mm



#### **Technical Data**

Motorized adjustable crossbar Position display via touchscreen Motor Power supply Air pressure

2 kW 400 V / 50 Hz / 3 phases approx. 6 bar





ACROLOC Werkzeugmaschinen Ing. Spanagel GmbH

Your reliable

partner for over

40 Years!

Sandwiesenstraße 7 72793 Pfullingen Germany

T: +49 (0) 7121 9835-0 F: +49 (0) 7121 9835-10

info@acroloc.de

www.acroloc.de