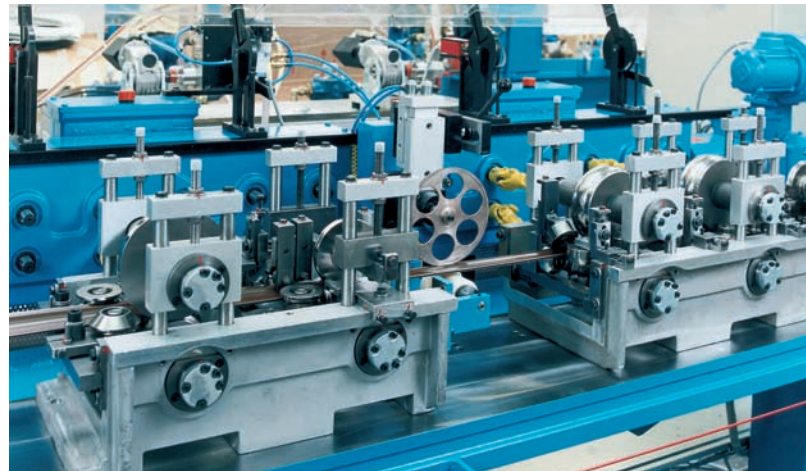




uncoiler with pneumatically activated disc brake

### Rollforming machine

- proven Dreistern-technology used by leading manufacturers of profiles
- flexible quick-change concepts for short change-over times
- robust roll-forming stands with minimal run-out
- precision gears driving upper and lower shaft



quick change cassettes and encoder wheel

### PUR-foam dispensing unit

- robust and reliable unit for continuous operation in harsh industrial environments
- cleaning of mixing heads and nozzles only during production stops e.g. during coil change, therefore no additional down time

### Curing tunnel

- appropriately sized tunnel to ensure reliable foam curing
- monitored temperature to ensure constant foam quality

### Punch unit

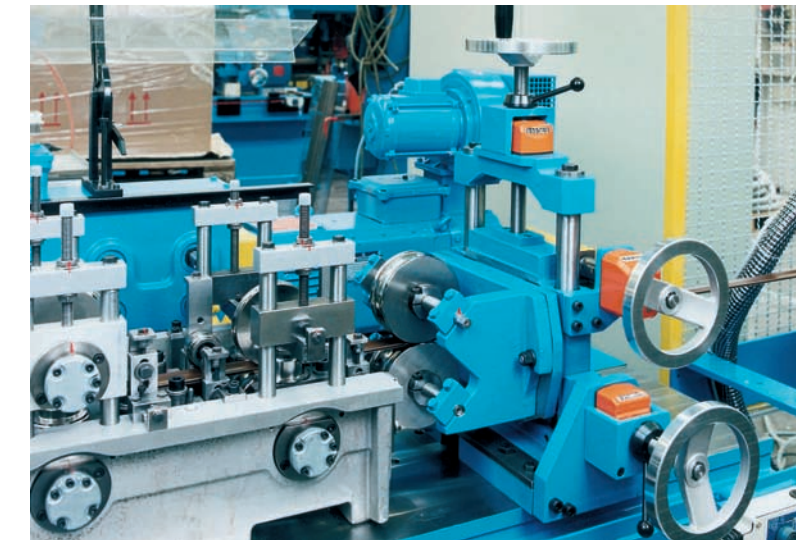
- integration into the line eliminates secondary or off-line operations
- exact punch-pattern, due to tight profile guiding and accurate machine controls
- optional: turn punching operation ON/OFF during production runs

### Flying cut-off machine

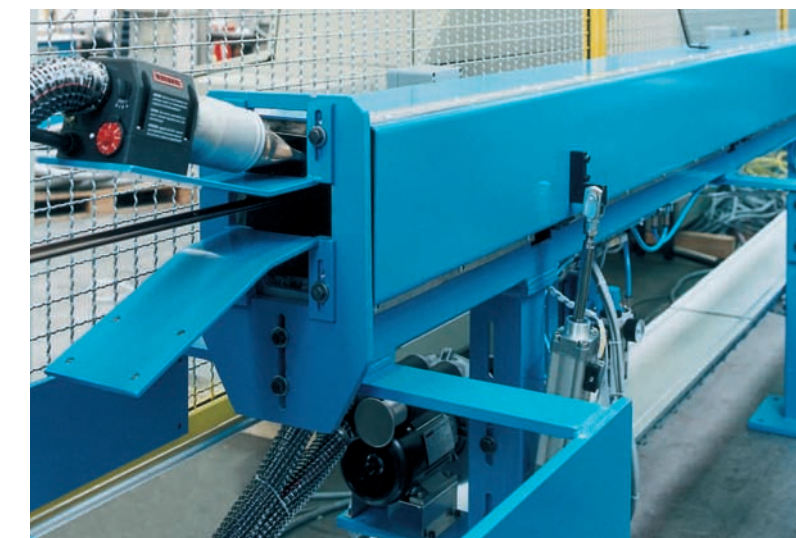
- clean saw cut with state of the art sawing technology
- short cut-off cycles resulting in high production speed

### Threading and packing

- integration of various line components possible
- flexible line concept to be tailored to individual requirements



profile straightener stand with quick-change roll cluster and digital position read-out



foam curing tunnel



flying high speed cut-off saw unit with run-out table

### Applications

- profile-systems for roll-up shutters
- roll-up garage doors
- industrial doors
- specialty roll-up shutters featuring hurricane & break-in protection
- garden fences
- roll-up shutters for vending units (vehicles & stationary)

### Production line components:

- strip entry line
- material pre-heating
- roll-forming machine
- PUR-foam dispensing
- foam curing tunnel
- light-slot punch unit
- flying cut-off machine
- threading and packing unit

### Profile dimensions:

- profile width: 20 – 90 mm
- material thickness: 0,28 – 1 mm
- part-length infinite
- length accuracy up to  $\pm 0,5$  mm

### Material:

- aluminum or steel strip, prepainted or with plastic coating

### Profile characteristics:

- light proof
- quiet hinging operation
- perfect surface

Dreistern is also supplying production lines for the manufacture of roll-up shafts, shutter guide rails, shutter housings and blinds.

### Strip entry line

- dual uncoiler for quick coil change-over
- coil diameters up to 2000 mm, resulting in long un-interrupted production runs

### Material preheating station

- temperature-controlled preheating to achieve optimal foam curing time
- efficient preheating to keep energy usage minimal

### Precision roll-forming dies

- geometry tightly toleranced with high surface quality
- manufactured on state of the art CNC machinery
- development support for profiles
- dedicated department for in house set-up and testing



PUR-foam dispensing unit

- ✓ Worldwide leading profile producers manufacture with Dreistern equipment
- ✓ Profiles featuring high accuracy and quality, even with complex shapes
- ✓ Produce any cover width
- ✓ Compact design requiring only a small foot print
- ✓ Tailored custom solutions
- ✓ Price competitive standard solutions

To secure and built up one's position in the marketplace, despite growing pressure from competition, it is important to have reliable and qualified partners.

Quality without compromise is Dreistern's approach to this challenge. Our state of the art technology and our know-how enable our clients to stay ahead of the competition.

Experience and competence collected over more than 50 years in all areas of machine building and line integration allow us to supply solutions for most complex profiles & shapes. With extreme dimensional accuracy, at the highest quality level.

Customer oriented support and assistance throughout all project phases.

Another typical Dreistern feature.

**DREISTERN – the ultimate in rollforming**

ROLLFORMING RT

**Specifications**

Models		P60/80/90	P3.080	P3.100
material thickness	St [mm]	0,28 - 0,5	0,28 - 0,5	0,28 - 1,0
	Al [mm]	0,28 - 0,5	0,28 - 1,0	0,28 - 2,0
profile width	up to [mm]	55	75	90
line speed	[m/min]	60	60	40
length of line	[m]	40	50	63 incl. prepierce



light-slot punch unit (twin-cam unit) with sound proofing enclosure



**DREISTERN GmbH & Co. KG**  
Wiechser Straße 9  
79650 Schopfheim/Germany  
Tel: +49 (7622) 391-0  
Fax: +49 (7622) 391-205  
info@dreistern.com  
www.dreistern.com

**DREISTERN Inc.**  
Hilltown Industrial Park  
801 Tech Drive,  
Telford PA 18969 / U.S.A.  
Tel: +1 (215) 799 0220  
Fax: +1 (215) 799 0420  
usa@dreistern.com  
www.dreistern.com

**Production lines for roll-up shutters and doors**

for highest quality requirements

