

Bewo Cutting Systems B.V.

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**BEWO**®  
CUTTING SYSTEMS



## Product Overview

Sawing machines  
Automatic cutting lines  
Customized cutting lines  
Process modules

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## Standalone machine

Bewo's universal cutting platform, offers a full range of full automatic cutting lines. Automating complete, high performance, cutting lines including various additional processes and handling options. For cutting only applications Bewo offers the stand alone machine:

# Alpha

Standalone automatic cutting

Ø 15-60 mm

Output / hour  
Max.  
950 / **1.500**

Round & square

Economical cutting

Robust frame

Cutting only

### Specifications

- One Clamp system
- Range Ø 15-60 mm
- Steel
- Starting length max. 7 meter
- Product length max. 3 meter
- Bundle loader
- Gripper feed
- Automatic changeover
- Non-customizable
- Short lead time

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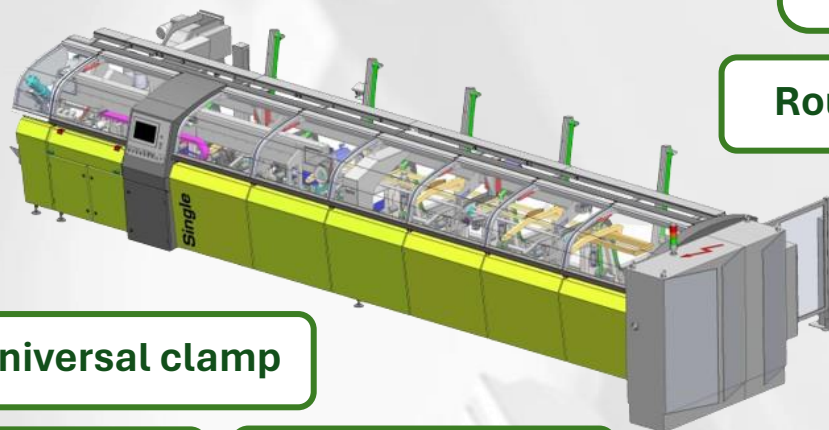


## Short products cutting line

Bewo's universal cutting platform, offers a full range of full automatic cutting lines. Automating complete, high performance, cutting lines including various additional processes and handling options. For cutting short products Bewo offers the cutting machine:

# Short

Short pieces automatic cutting



Ø 6-60 mm

Output / hour  
Max.  
2.000 / **2.400**

Round & square

Universal clamp

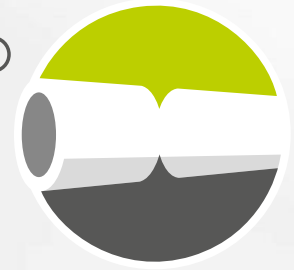
Accurate

Deburring option

### Specifications

- Range Ø 6-60 mm
- Steel, stainless steel, non-ferrous metals
- Starting length max. 7 meter
- Product length 35 - 1.000 mm
- Bundle loader
- Electric universal clamping
- Optional short piece deburring
- Easy maintenance
- Optimized for your specific products

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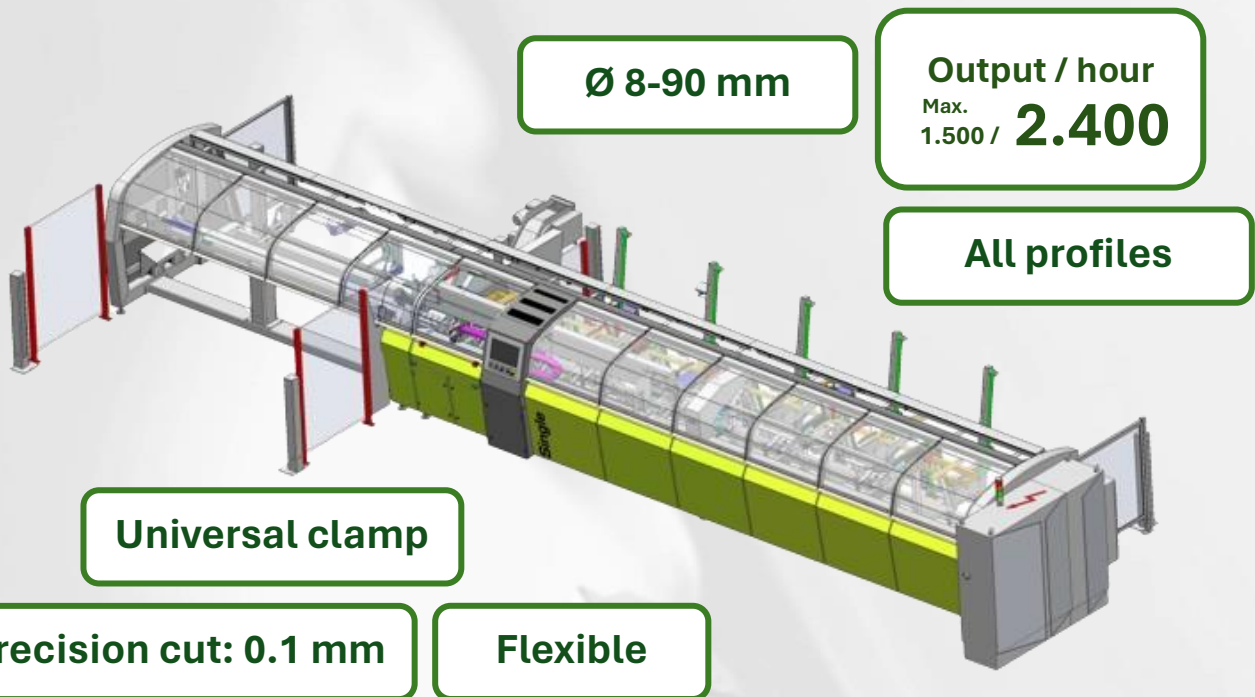


## Flexible cutting line

Bewo's universal cutting platform, offers a full range of full automatic cutting lines. Automating complete, high performance, cutting lines including various additional processes and handling options. For flexible production Bewo offers the performance line:

# Single

Combines performance and flexibility



Ø 8-90 mm

Output / hour  
Max.  
1.500 / **2.400**

All profiles

Universal clamp

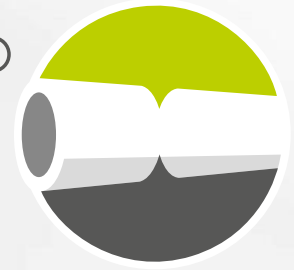
Precision cut: 0.1 mm

Flexible

### Specifications

- Electric universal clamping
- Range Ø 8-90 mm
- Steel, stainless steel, non-ferrous metals
- Deburring, chamfering, cleaning, etc. optional
- Additional packaging solutions
- Full automatic changeover
- Optimal balance flexibility and productivity
- Gripper feed
- Automatic bundle loader
- Easy maintenance
- Configure to order
- SiSo controls

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## Heavy duty cutting line

Bewo's universal cutting platform, offers a full range of full automatic cutting lines. Automating complete, high performance, cutting lines including various additional processes and handling options. For heavy duty production Bewo offers the performance line:

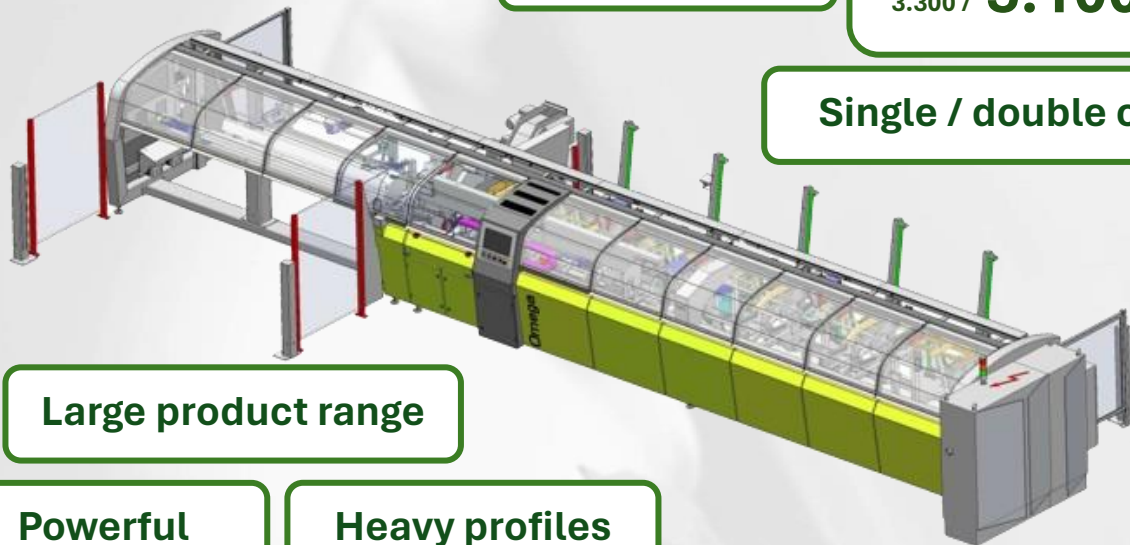
# Omega

Robust high performance cutting

Ø 8-102 mm

Output / hour  
Max.  
3.300 / **5.100**

Single / double cut



Large product range

Powerful

Heavy profiles

### Specifications

- Cut 1 or 2 tube at the same time
- Range Ø 8-102 mm
- Steel, stainless steel, non-ferrous metals
- Deburring, chamfering, cleaning, etc. optional
- Additional packaging solutions
- Smart lubrication and cooling
- Remote-control services
- Gripper feed
- Automatic bundle loader
- Proportional cutting system
- Large range of products
- SiSo controls

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# BEWO<sup>®</sup>

CUTTING SYSTEMS

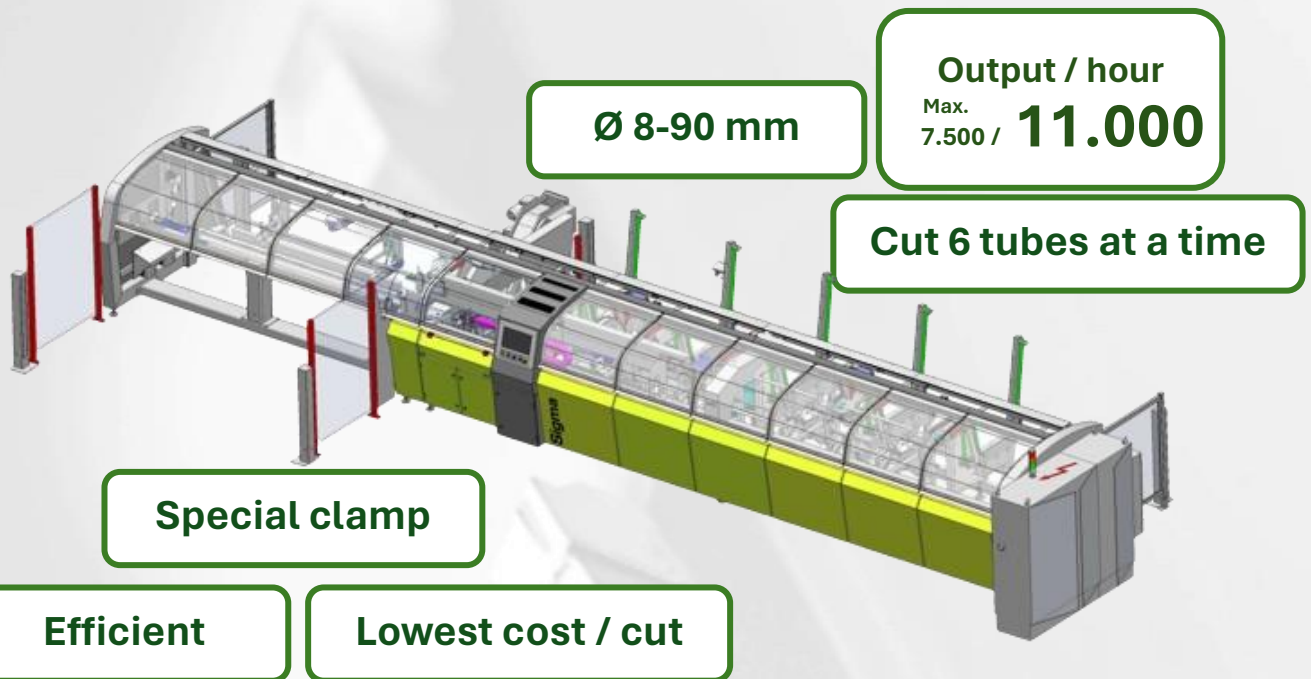


## High production cutting line

Bewo's universal cutting platform, offers a full range of full automatic cutting lines. Automating complete, high performance, cutting lines including various additional processes and handling options. For high production output Bewo offers the performance line:

# Sigma

Simultaneous cutting for high production



### Specifications

- Range Ø 8-90 mm
- Various clamping solutions
- Steel, stainless steel, non-ferrous metals
- Deburring, chamfering, cleaning, etc. optional
- Additional packaging solutions
- Smart lubrication and cooling
- Remote-control services
- Gripper feed
- Automatic bundle loader
- Sawblade management system
- SiSo controls
- Lowest cost per cut

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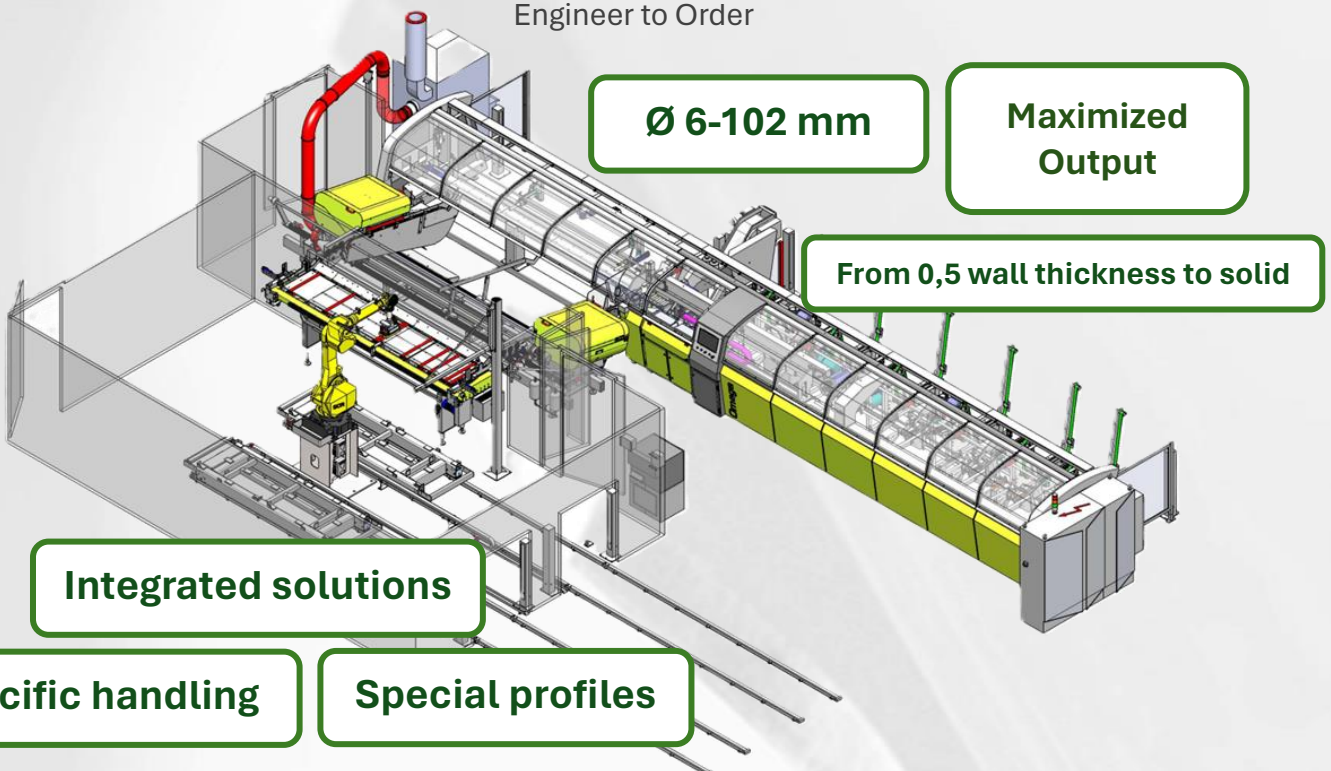


## Automated production line

Bewo's universal cutting platform, offers a full range of full automatic cutting lines. For specific requirements our engineering team can customize these cutting lines or fully design a complete production line according your requirements:

## Custom

Engineer to Order



### Specifications

- Range Ø 6-102 mm
- Engineer to Order
- Custom controls
- Experienced based solutions
- Additional processes possible
- Fully automate process
- Upscale ready components
- Modular setup
- Accurate quality control
- High specification, high output

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		Alpha	Short	Single	Sigma	Omega	Custom	
Multiple cut min. - max.	p/cut	1	1-4	1	1-6	1-2	1-6	
Saw blade Ø max.	mm	315	400	400	400	425	425	
Sawing servo motor	kW	7	9	9	9	9	12	
Cutting speed	m/min	20-250					var.	
Transport system		gripper feed, servo						
Clamping power		hydraulic	servo	servo	hydraulic	hydraulic	var.	
Clamping setup		one clamp	multiple	universal	multiple	double	var.	
Tools need for full range	mm	1	1	2	1 - 16	2	1 - 99	
Min. First cut	mm	10					-	
Min. Rest piece	mm	75					-	
Accuracy Ø < 25 mm	mm	0.25	0.1	0.1	0.1	0.1	0.05	
<b>Material data</b>								
Material type		steel	steel / stainless steel / non ferrous material					
Start lenght min.	mm	3.700	3.700	3.000	3.700	3.700	1.000	
Start lenght max.	mm	7.000	7.350	7.350	7.350	12.000	18.000	
Transport weight	kg	40	50	50	50	120	120	
Bundle loader capity	kg	3.000	3.000	3.000	3.000	3.000	4.000	
Bundle Ø	mm	650	650	650	650/850	650/850	850	
Bundle loader		automatic					var.	
<b>Product data</b>								
Round tube range Ø	mm	15 tot 60	6 to 60	15 tot 80	15 to 80	15 to 102	var.	
- with Small tube pack	mm	-	-	6 >	6 >	6 >	5 >	
- with Heavy tube pack	mm	-	-	< 90	< 90	-	< 102	
Square profil min.	mm	10x10	8x8	10x10	10x10	10x10	8x8	
Square profil max.	mm	45x45	45x45	80x80	80x80	80x80	80x80	
Rectangular min.	mm	-	-	15x10	15x10	15x10	10x8	
Rectangular max.	mm	-	-	85x60	85x60	60x40	100x60	
Wall thickness min.	mm	1	0.6	0.6	0.8	0.8	0.5	
Solid max. Ø	mm	-	-	35	35	50	80	
Lenght min. Cutting	mm	10	10	10	10	10	10	
- with deburring	mm	-	35	150/100	150/100	150/100	35	
- with washing	mm	-	-	150	150	150	35	
Lenght max.	mm	3.000	1.000	3.000	5.000	6.000	12.000	
Product weight	kg	15	5	20	20	30	30	
Deburring lenght max.	mm	-	1.000	3.000	5.000	6.000	12.000	
Output max.	p/hour	1.500	2.400	2.400	11.000	5.100	15.500	

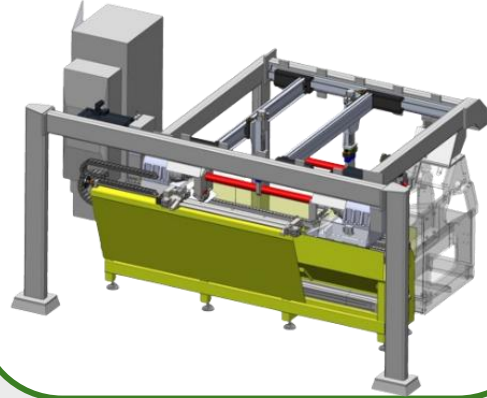
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**Smart Solutions**

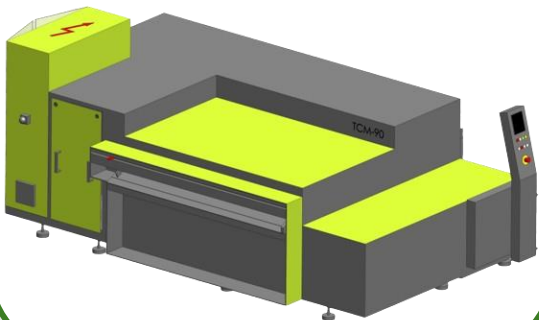
**SCD Deburring**



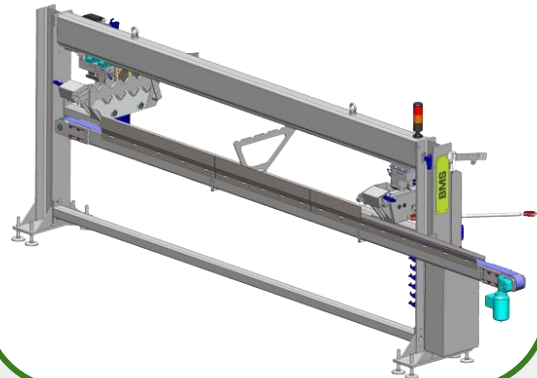
**SCM Chamfering**



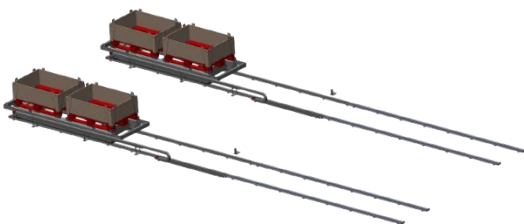
**TMC Cleaning**



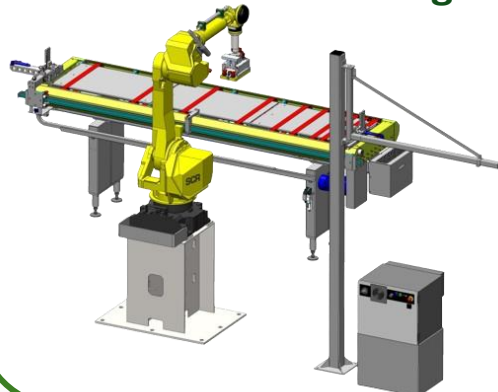
**BMS Measuring**



**DTS Transport System**



**SCR Robot handling**



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SCD Deburring unit	Brush drive power	5.5 kW
	Brush dimensions	300 x 600 mm
	Brush wire thickness	0.35 mm
	Brush material	Steel
	Standard lenght range	150 mm - 3.000 mm
	Extened lenght range	100 mm - 6.000 mm
	Short lenght range	35 mm - 1.000 mm
TMS Length control	repeatability	0.05 mm
TMS Cleaning machine	Suitable for liquid	pH 7 to pH 11
	Cleaning temperature	Max 70°C
	Lenght capacity	1.000 / 2.000 / 3.000 mm
	Filling capacity	1.120 / 880 / 640 l
	Heating power	30 kW / 24 kW / 18 kW
	Pump capacity	7.5 kW / 5.5 kW / 5.5 kW
	Drum Section	40 / 60 / 90 / 120 mm
Drying zone	Section Length	1,430 mm
	Capacity for air drying	2 x 11 kW
SCR Robot	Maximum travel speed	3 m/seconds
	Maximum weight of product(s)	30 kg
	Stack size max.	(LxWxH) 3,000 x 800 x 800 mm
	Extended stack size max.	(LxWxH) 4,000 x 800 x 800 mm
SCD Chamfer unit	Machinening options	Facing, Outside and inside chamfering
	Accuracy	0.05 mm
	Spindle units	servo-controlled
	Nr. Spindles	Single / Double / Multiple
	Clamping	Single point / Multi position

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