

**KLAEGER**



---

Overall program

Klaeger Sägetechnik GmbH

---

## REFERENCES

A number of applicant quality sawing machines by **KLAEGER** are available worldwide in this company in daily use:



## CONTENTS

Twin-pillar fully-automatic bandsaws pharos SmartCut model range pharos220 SmartCut ■ pharos300 SmartCut	4 / 5
Twin-pillar semi-automatic bandsaws bitron series bitron220 ■ bitron300 SmartCut	6 / 7
Mitre semi-automatic bandsaws actron series actron265DG ■ actron325G	8 / 9
Mitre band sawing machines HBS G / HBS DG series HBS 265 DG ■ HBS 325 G	10 / 11
Mitre / double mitre bandsaws: semiautomatic, gravitational, manual NEO 220 ■ NEO 260 ■ NEO 300	12 / 13
Vertical bandsaws VBS-series VBS400E ■ VBS400EM ■ VBS400EH ■ VBS400S ■ VBS400SM ■ VBS400SH VBS600S ■ VBS600SM ■ VBS600SH ■ VBS1100S ■ VBS1100SH	14 / 17
KLAEGER accessories ■ Material-Rollenbahnen ■ Bi-Metall Qualitätssägeblätter	18 / 19



**We saw the difference**

# pharos

## Twin pillar fully-automatic bandsaws

pharos220 SmartCut ■ pharos300 SmartCut

### KLAEGER pharos SmartCut – a beacon amongst automatic bandsaws!

A high-quality product of German mechanical engineering

Klaeger automatic bandsaws are constructed both for a very high number of units during three-shift operation and also for single cuts in manual operation. Due to its design the **pharos** twin-pillar range is especially suitable for particularly difficult tasks:

It is unique in this class of saw machines: **pharos – the premier class!**



### K-tronic-A



**K-tronic control panell**

We offer no standard control to our customers. Our machines do not work with complicated expiries and symbols which nobody knows.

Therefore, we have developed our **K-tronic-control** ourselves!

From the everyday life for the everyday use for you made! The result is a brilliantly easy service and nevertheless the highest comfort!

### INCREDIBLY: SmartCut

#### Intelligent sawing for professionals

- high-precision servo motor via ball screws, provides
- Smart sawing – intelligent functions paired with easy understandable, intuitively managed k-tronic NC control ...
- Unique use of the residual piece in semi-automatic mode in the ideal case, up to a few millimetres
- Very easy notch function for workpieces
- Up to 30% longer service life of saw blades due to automatic running in

#### Optional:

- Quick detection of the start of the material – Sawing without a cut at the start of the material
- Automatic control when the saw blade wear increases



Model	pharos220 SmartCut	pharos300 SmartCut
Item number	01152	07024
Control	K-tronic-A	K-tronic-A
Cutting capacity in mm	220 mm	300 mm
	220 x 220	300 x 300
Sawblade dimensions	2890 x 27 x 0,9 mm	3950 x 34 x 1,1 mm
AC motor drive (controlled electronically)	2,0 kW 400V/50Hz	3,0 kW 400V/50Hz
Cutting speed	15–100 m/min	15–100 m/min
Feed length in fully-automatic mode	600 mm per stroke	600 mm per stroke
Driven chip brush	standard	standard
Cooling system	standard	standard
Integrated conveyors	1000 mm	1000 mm
Length of rest piece in semi-automatic mode	40 mm	40 mm
Length of rest piece in automatic mode	120 mm	130 mm
Working height	730 mm	730 mm
Dimensions (h x w x d)	1950 x 1550 x 1320 mm	2100 x 2050 x 1510 mm
Gross weight	900 kg	1250 kg

# bitron

## Twin pillar semi-automatic bandsaws

bitron220 ■ bitron300 SmartCut

### KLAEGER twin-pillar technology: Sheer high performance!

A high-quality product from German mechanical engineering

Due to its design the twin-pillar range is ideally suited to small batches and single cuts when high standards of reliability and precision are demanded. Even the most difficult materials are separated with ease, precision and very smooth running.

**K-tronic semi-automatic control:** developed by Klaeger, built by Klaeger.

### K-tronic-E

The new semi-automatic control for bitron220 and bitron300



- Hydraulic clamping
- Hydraulic lifting of the sawing frame
- Automatic opening of the clamping tool
- All machine functions on one operating console
- Adjustable lifting height for the quickest sawing processes of small cross sections
- Cutting speed controlled electronically 15-100 m/min
- easy understandable, intuitively control

### K-tronic-S

SmartCut

Intelligent sawing for professionals

- Better stabilization of the saw blade via a guide duct & graduation of the sections
- Up to 30% longer service life of saw blades due to automatic running in
- Very easy notch function for workpieces
- Smart sawing - intelligent functions paired with easy understandable, intuitively managed k-tronic NC control ...

**Optional:**

- Automatic control when the saw blade wear increases



Model	bitron220	bitron300 SmartCut
Item number	01149	07025
Control	K-tronic-E	K-tronic-S
Cutting capacity in mm	220 mm	300 mm
	220 x 220	300 x 300
Sawblade dimensions	2890 x 27 x 0,9 mm	3950 x 34 x 1,1 mm
AC motor drive (controlled electronically)	2,0 kW 400V/50Hz	3,0 kW 400V/50Hz
Cutting speed	15-100 m/min	15-100 m/min
Driven chip brush	standard	standard
Emulsion cooling	standard	standard
Working height	730 mm	730 mm
Dimensions (h x w x d)	1480 x 850 x 1320 mm	2000 x 1100 x 1510 mm
Gross weight	500 kg	850 kg

# actron

## Mitring / double-mitring semi automatic bandsaw

actron265DG ■ actron325G

**KLAEGER actron** semi-automatic machines:

**Extremely user-friendly!**

A high-quality product from German mechanical engineering

Comfort is the highest priority. Mitring adjustment can be completed in a few seconds.

Economic sawing can only be achieved with high performance.

**actron** – truly in a class of its own.

**K-tronic semi-automatic control:** developed by Klaeger, built by Klaeger.

Sawing at the push of a button, it doesn't get any easier!

### K-tronic-E:

#### The new semi-automatic control

- Hydraulic clamping
- Hydraulic lifting of the sawing frame
- Automatic opening of the clamping tool
- All machine functions on one operating console
- Adjustable lifting height for the quickest sawing processes of small cross sections
- Cutting speed controlled electronically 15-100 m/min



- ergonomic
- modular construction
- extremely easy to operate

#### K-tronic semi-automatic control:

- developed by Klaeger, built by Klaeger.



Model	actron265DG Double mitring machine	actron325G Mitring machine
Item number	06702	06705
Control	K-tronic-E	K-tronic-E
Cutting capacity in mm	<b>265 mm</b>	<b>325 mm</b>
90° ○	200 x 200 / 300 x 150	300 x 300 / 420 x 300
90° □ / □	200 x 200 / 250 x 150	280 x 280 / 360 x 250
60° □ / □	180 x 180 / 200 x 100	270 x 270 / 300 x 200
45° □ / □	125 x 125 / 130 x 100	170 x 170 / 200 x 100
30° □ / □	3280 x 27 x 0,9 mm	3770 x 27 x 0,9 mm
Sawblade dimensions	2,0 kW 400V/50Hz	2,0 kW 400V/50Hz
AC motor drive (controlled electronically)	15-100 m/min	15-100 m/min
Cutting speed	standard	standard
Fast mitring adjustment	standard	standard
Emulsion cooling	950 mm	730 mm
Working height (high / low)	1610 x 930 x 1400 mm	1850 x 1200 x 1230 mm
Dimensions (h x w x d)	410 kg	590 kg
Gross weight		

# HBS DG / HBS G

## double-mitring bandsaws

HBS 265 DG ■ HBS 325 G

### KLAEGER HBS Bandsaws: a must in every workshop!

A high-quality product from German mechanical engineering

Simple and comfortable handling is one of the features of these reliable bandsaws. Despite their small dimensions they produce outstanding cutting performance: a quality bandsaw for all applications.

The **KLAEGER HBS** range stands out through its user-friendliness and durability.



Model		HBS 265 DG Double mitring machine	HBS 325 G Mitring machine
Item number		01119	01153
Cutting capacity in mm	90° ○	<b>265 mm</b>	<b>325 mm</b>
	90° □ / □	200 x 200 / 300 x 150	300 x 300 / 420 x 300
	60° □ / □	left/right 200 x 200 / 250 x 150	280 x 280 / 360 x 250
	45° □ / □	left/right 180 x 180 / 200 x 100	270 x 270 / 300 x 200
	30° □ / □	left only 125 x 125 / 130 x 100	170 x 170 / 200 x 100
Sawblade dimensions		3280 x 27 x 0,9 mm	3770 x 27 x 0,9 mm
AC motor drive		2,0 kW 400V/50Hz	2,0 kW 400V/50Hz
Cutting speed		infinitely variable 15–100 m/min	infinitely variable 15–100 m/min
Fast mitring adjustment		30° left / 45° right standard	standard
Emulsion cooling		standard	standard
Working height		950 mm	730 mm
Dimensions (h x w x d)		1580 x 930 x 1400 mm	1850 x 1100 x 1230 mm
Gross weight		390 kg	530 kg

# NEO

Mitring / double mitring bandsaws: semiautomatic, gravitational, manual

NEO 220 ■ NEO 260 ■ NEO 300

**KLAEGER NEO**, a new and versatile band saws line to offer the right solution to everyone working in fabricating business or cutting sporadically "easy to cut" materials.

Neo line is made up of three models, according to the cutting capacity: 220, 260 or 300 mm.

Each model is available in three cutting modes:

M – manual

E – gravitational

S – semiautomatic



Model	220M / 220E / 220S	260M / 260E / 260S	300M / 300E / 300S	
Item number	251M/221M • 251M/221CS0 • 251M/221SA	251M/261M • 251M/261CS0 • 251M/261SA	251M/301M • 251M/301CS0 • 251M/301SA	
Cutting capacity in mm	90° ○ 90° □ / □ 45° □ / □ 30° □ / □ -45° □ / □	220 215 x 215 / 155x250 Ø 160 / 150 x 150 / 110 x 160 Ø 100 / 85 x 85 / 80 x 95 -	260 250 x 250 / 220x330 Ø 215 / 200 x 200 / 160 x 210 130 x 130 / 130 x 140 Ø 225 / 210 x 210 / 160 x 225	300 300 x 300 / 300x400 Ø 240 / 220 x 220 / 130 x 240 140 x 140 / 140 x 140 Ø 180 / 160 x 160 / 110 x 180
Sawblade dimensions	2450 x 27 x 0,9 mm	3010 x 27 x 0,9 mm	3200 x 27 x 0,9 mm	
AC motor drive	0,75 - 1,1 kW	0,75 - 1,1 kW	0,9 - 1,6 kW	
Cutting speed	32 - 66 mm	38 - 78 mm	38 - 77 mm	
Fast mitring adjustment	standard (30° left)	standard (30° left / 45° right)	standard (30° left / 45° right)	
Emulsion cooling	standard	standard	standard	
Working height	930 mm	965 mm	950 mm	
Dimensions (h x w x d)	1610 x 660 x 1755	1905 x 660 x 1985	1975 x 660 x 1960	
Gross weight	221M: 260 Kg - 221S: 300 Kg	261M: 365 Kg - 261S: 415 Kg	301M: 530 Kg - 301S: 575 Kg	

# The new **VBSLINE** Vertical bandsaws

VBS400E ■ VBS400EM ■ VBS400EH  
VBS400S ■ VBS400SM ■ VBS400SH



## **KLAEGER VBSLINE**

Cut to length, notching, separating and materials testing: a universal vertical bandsaw that is indispensable for every workshop where more than just steel rods need to be cut to length.

A wide selection of special accessories enable you to adapt the machines to all requirements.

We can also manufacture special machines or special constructions according to your requirements.

**PLEASE ASK US ABOUT OUR  
SPECIALIST SOLUTIONS!**

Modell	<b>VBS400E</b> Standard	<b>VBS400EM</b> Manuell	<b>VBS400EH</b> Hydraulic
Item number	08216	08217	08218
Cutting speed (controlled electronically)	infinitely variable 15-300 m/min	infinitely variable 15-300 m/min	infinitely variable 15-300 m/min
Type of table	Fixed table	Manual table with hand wheel	Hydraulic table
Cutting width	<b>400 mm</b>	<b>400 mm</b>	<b>400 mm</b>
Cutting height	420 mm	390 mm	390 mm
Table size	600 x 600 mm	600 x 760 mm	600 x 760 mm
Table feed	-	by hand wheel	hydr. feed control
Table stroke	-	260 mm	260 mm
Maxim. table weight	200 kg	200 kg	200 kg
AC motor drive (controlled electronically)	1,5 kW 400V/50Hz	1,5 kW 400V/50Hz	1,5 kW 400V/50Hz
Sawblade length	3600 mm	3600 mm	3600 mm
Sawblade width	4-20 mm	4-20 mm	4-20 mm
Dimensions (h x w x d)	2225 x 1120 x 770 mm	2225 x 1120 x 1020 mm	2225 x 1120 x 870 mm
Gross weight	470 kg	500 kg	530 kg

Modell	<b>VBS400S</b> Standard	<b>VBS400SM</b> Manuell	<b>VBS400SH</b> Hydraulic
Item number	08219	08220	08221
Cutting speed (controlled electronically)	infinitely variable 15-1000 m/min	infinitely variable 15-1000 m/min	infinitely variable 15-1000 m/min
Type of table	Fixed table	Manual table with hand wheel	Hydraulic table
Cutting width	<b>400 mm</b>	<b>400 mm</b>	<b>400 mm</b>
Cutting height	420 mm	390 mm	390 mm
Table size	600 x 600 mm	600 x 760 mm	600 x 760 mm
Table feed	-	by hand wheel	hydr. feed control
Table stroke	-	260 mm	260 mm
Maxim. table weight	200 kg	200 kg	200 kg
AC motor drive (controlled electronically)	4,0 kW 400V/50Hz	4,0 kW 400V/50Hz	4,0 kW 400V/50Hz
Sawblade length	3600 mm	3600 mm	3600 mm
Sawblade width	4-20 mm	4-20 mm	4-20 mm
Dimensions (h x w x d)	2225 x 1120 x 770 mm	2225 x 1120 x 1020 mm	2225 x 1120 x 870 mm
Gross weight	460 kg	490 kg	530 kg



# The new **VBSLINE** Vertical bandsaws

VBS600S ■ VBS600SM ■ VBS600SH  
VBS1100S ■ VBS1100SH



Modell	<b>VBS600S</b> Standard	<b>VBS600SM</b> Manuell	<b>VBS600SH</b> Hydraulic
Item number	08222	08223	08224
Cutting speed (controlled electronically)	15–1000 m/min (only with max. 27 mm volume)	15–1000 m/min (only with max. 27 mm volume)	15–1000 m/min (only with max. 27 mm volume)
Type of table	Fixed table	Manual table with linear guides	Hydraulic table
Cutting width	<b>600 mm</b>	<b>600 mm</b>	<b>600 mm</b>
Cutting height	585 mm	555 mm	555 mm
Table size	600 x 760 mm	600 x 760 mm	600 x 760 mm
Table feed	–	hand-guided	hydr. feed control
Table stroke	–	500 mm	500 mm
Maxim. table weight	500 kg	500 kg	500 kg
AC motor drive (controlled electronically)	4,0 kW 400V/50Hz	4,0 kW 400V/50Hz	4,0 kW 400V/50Hz
Sawblade length	5060 mm	5060 mm	5060 mm
Sawblade width	13–27 mm	13–27 mm	13–27 mm
Dimensions (h x w x d)	2555 x 1410 x 1180	2225 x 1410 x 1470 mm	2555 x 1420 x 1365 mm
Gross weight	890 kg	960 kg	1100 kg

Modell	<b>VBS1100S</b> Standard	<b>VBS1100SH</b> Hydraulic
Item number	08225	08226
Cutting speed (controlled electronically)	in the relationship 1:10 vor example 100–1000 m/min	in the relationship 1:10 vor example 100–1000 m/min
Type of table	Fixed table	Hydraulic table
Cutting width	<b>1100 mm</b>	<b>1100 mm</b>
Cutting height	750mm	600 mm
Table size	1000 x 1150 mm	1000 x 1200 mm
Table feed	–	hydr. feed control
Table stroke	–	1050 mm
Maxim. table weight	700 kg	1500 kg
AC motor drive (controlled electronically)	4,0 kW 400V/50Hz	5,5 kW 400V/50Hz
Sawblade length	6320 mm	6320 mm
Sawblade width	13–27 mm	variable 27 - 34 - 41 mm
Dimensions (h x w x d)	2400 x 2450 x 1200 mm	2400 x 2450 x 2250 mm
Gross weight	1900 kg	2600 kg



# Accessories



## **KLAEGER** Material conveyors

Stable Klaeger conveyors come in any length (1m grid) and in different widths.



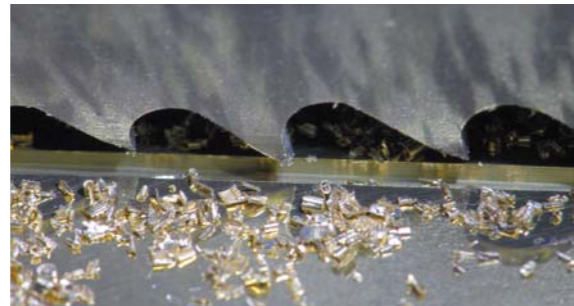
There are matching length stops, measuring stops and pushers. Our AKS removal system is also attractive: its components can be removed sorted and even labelled.



## **KLAEGER** Bi-metal saw blades

Top quality for your Klaeger saws

we recommend using original Klaeger sawblades for achieving precise steps with optimum performance and the best standing times. All popular types are constantly available from the warehouse.

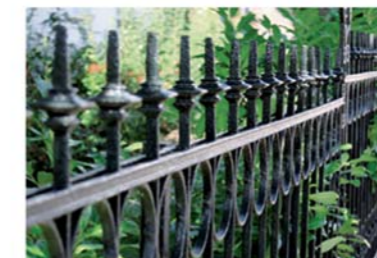


Klaeger **bitron** and **pharos** models are perfectly suited to hard-metal saw blade use: Increase your quantities and number of strokes significantly!

## **KLAEGER** Experience in all fields. Worldwide.



Aerospace industry



Metalworking



Medical technology



Steel construction



Shape cutting



Automotive engineering



Offshore technology



Energy technology



Shipbuilding

**Special designs:**  
our creative minds look forward to working on those interesting problems!

## Klaeger Sägetechnik GmbH

Siemensstraße, 32  
D-71394 Kernen

Tel.: +49 (0) 7151/36903 - 0  
Fax: +49 (0) 7151/36903 - 80  
E-mail: info@klaeger.com

[www.klaeger.com](http://www.klaeger.com)



OVER 100 YEARS  
EXPERIENCE WITH SAWS



YOUR SPECIALIST SUPPLIER

