

# ROLLER & MEASURING CONVEYORS



**PRECISE**

**ROBUST**

**VERSATILE**

**ECONOMICAL**

**EASY TO HANDLE**

LIFTING TABLES & WORK BENCHES  
HANDLING & LIFTING EQUIPMENT  
GLUING PRESSES  
UNDER-TABLE CROSSCUT SAWS  
ROLLER & MEASURING CONVEYORS

## JUST RIGHT

An accurate cut or other production step that must be made precisely in the right place requires the use of roller and measuring conveyor systems that are precisely matched to the respective application.

They are necessary so that processing machines can successfully perform their work.

The program of Reinhold Beck Maschinenbau GmbH offers different versions for the machining of wood, plastics, metal as well as non-ferrous metals.

In addition to the classic roller conveyor, which serves to feed or discharge material, there are various measuring systems available.

Which measuring system – manual or with a high degree of automation – is preferred depends on the respective application or even the user's preferences.

The EXACT program offers roller and measuring conveyors ranging from lightweight versions for workpieces with low weights up to heavy-duty designs that can effortlessly handle loads of up to 450 kg/m.

### IMPRINT

#### Reinhold Beck Maschinenbau GmbH

Im Grund 23 | 72505 Krauchenwies | GERMANY

Phone +49 7576 962978-0

info@beck-maschinenbau.de

www.beck-maschinenbau.com

www.hokubema.com



#ergohubtische

Managing Director: Reinhold Beck

State: 10/2021

Subject to technical and optical modifications.  
No liability for errors and changed images.

# OVERVIEW



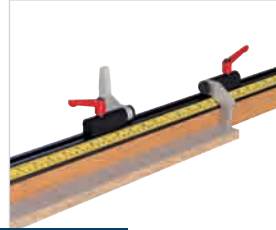
// FROM P.02

## STANDARD SERIES

Robust, precise, versatile.

### APPLICATION AREAS

- // Mechanical engineering
- // Metal construction
- // Steel construction
- // Woodworking
- // Carpentry/wood construction
- // Plastics processing



// FROM P.16

## EXACTLY-F

Length stop system, for retrofitting on manual machining centers.

### APPLICATION AREAS

- // All industries



// FROM P.04

## MES SERIES

Sturdy steel construction; can be loaded by crane.

### APPLICATION AREAS

- // Mechanical engineering
- // Metal construction
- // Steel construction
- // Carpentry/wood construction



// FROM P.18

## P-SERIES

Length stop system, for retrofitting to existing roller conveyor.

### APPLICATION AREAS

- // Woodworking
- // Metalworking
- // Plastics processing



// FROM P.06

## ES SERIES

Extra stable construction, additional storage surface.

### APPLICATION AREAS

- // Carpentry
- // Wood construction
- // Woodworking
- // Metal construction



// FROM P.20

## ELG/DC SERIES

Automatic stop and positioning system, highest precision and repeat accuracy.

### APPLICATION AREAS

- // Carpentry
- // Wood construction and woodworking
- // Metal construction
- // Mechanical engineering



// FROM P.08

## ESF SERIES

Extra stable and mobile, also suitable for outdoor use.

### APPLICATION AREAS

- // Carpentry
- // Wood construction
- // Woodworking



// FROM P.22

## NC SERIES

Automatic stop and positioning system, can be used as a stop and pusher system.

### APPLICATION AREAS

- // All industries



// FROM P.10

## HD SERIES

Made of thick-walled profiled tubes manufactured, can be loaded by crane or forklift.

### APPLICATION AREAS

- // Metal construction
- // Steel construction
- // Wood construction



// FROM P.24

## TIGERSTOP

Programmable stop and positioning system.

### APPLICATION AREAS

- // All industries



// FROM P.14

## LC SERIES

Precise machining of light workpieces, solidly made of steel profiles.

### APPLICATION AREAS

- // Woodworking
- // Metalworking
- // Plastics processing

# ROLLER & MEASURING CONVEYORS

## EXACT STANDARD



**LOAD CAPACITY**  
300 kg  
per m roller conveyor



**ROLLER CONVEYOR LENGTH**  
1 – 10 m  
+ special lengths

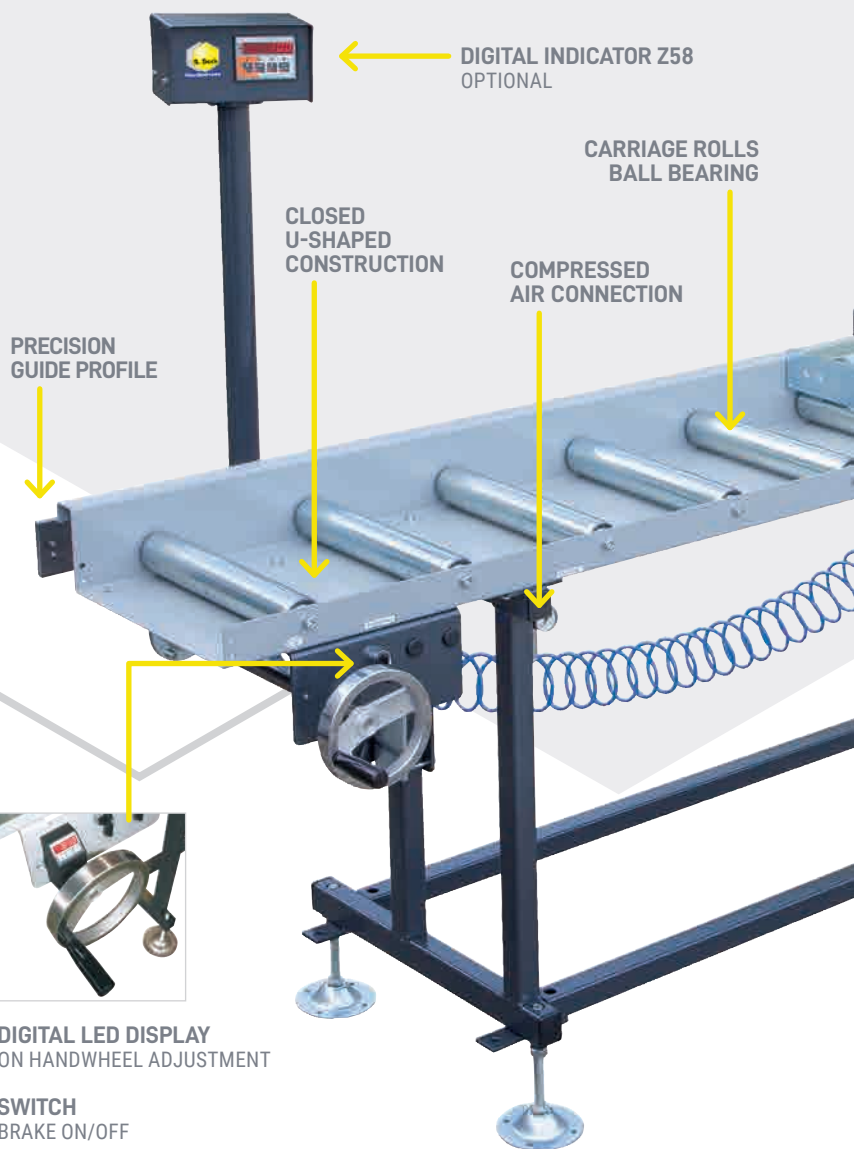


**WORKING HEIGHT**  
880 mm ± 60 mm

### ALLROUNDER WITH A WIDE APPLICATION RANGE

The stop system is precisely and quickly positioned by handwheel. The set dimension is indicated by a display on the control panel. Optionally, the display can be placed at eye level. The design of the roller conveyors is extremely stable and is therefore suitable for a wide range of applications.

Support rollers	Galvanized steel tube, roller- $\varnothing$ 60 x 2 mm, ball bearing mounted, axle- $\varnothing$ 15 mm, or optionally: made of plastic, roller- $\varnothing$ 63 x 3 mm
Support roller pitch	250 mm
Roller conveyor width	300, 400, 500 mm
Usable support roller width	250, 350, 450 mm
All parts powder coated	Roller conveyor feet: Anthracite grey RAL 7016 Upper part: silver grey RAL 7042



EXACT STANDARD B



EXACT STANDARD C



EXACT STANDARD B/KF

**STABLE MATERIAL  
STOP CARRIAGE**  
WITH 12 BALL BEARINGS  
AND PNEUMATIC BRAKE

**STOP ARM**  
ADJUSTABLE AND FOLDABLE  
TO THE REAR

**WORKING  
HEIGHT**  
880 MM ± 60 MM

**LEVELLING  
FOOT**  
ADJUSTABLE  
± 60 MM

STATIONARY

**ENERGY CHAIN GUIDE**  
FROM 5 M ROLLER  
CONVEYOR LENGTH

## EXACT STANDARD A

Length measuring unit with handwheel adjustment directly at the handwheel, with digital LED display in mm (optionally 1/10 mm)

Connection 230 V, 50 Hz with power supply unit

Material stop carriage with twelve ball bearings and a pneumatic brake, movable on large-dimensioned guide profile

**Max. measuring length = track length minus 450 mm**

For roller conveyors longer than 5 m, the energy chain guide is used as cable and hose guide

Measuring accuracy ± 0.5 mm/m

Measuring system Z58 with magnetic tape, measuring accuracy ± 0.1 mm/m

## EXACT STANDARD B

Manual measuring system with mm scale

C-guide profile and adjustable folding stop, adjustable to zero point

**Max. measuring length = track length minus 260 mm**

## EXACT STANDARD C

Infeed/outfeed roller conveyor, without scale and stop with lateral guide

## EXACT STANDARD B/KF

Length measuring system with mm scale and reading magnifier on the stop carriage

Manual measuring system

Precision flat steel guide

Measuring accuracy ± 0.5 mm/m

Stop carriage with 6 ball bearings, smooth-running, manual adjustment and locking

obust material stop can be folded up

**Max. measuring length = track length minus 400 mm**

## EXACT STANDARD E/KF

With magnetic tape measuring system and LCD display unit on the stop carriage

Manual measuring system with stable precision flat steel guide

Stop carriage with 6 ball bearings, smooth-running, manual adjustment and locking

Robust material stop can be folded up

Measuring accuracy ± 0.1 mm/m

**Max. measuring length = track length minus 400 mm**

### ACCESSORIES // FROM P.12+13: FOR EXACT-A

- Stop spring loaded, fixed (ART.-NO.: **SZ 04**)
- Stop system, spring loaded to zero (ART.-NO.: **SZ 05**)
- Pneumatic arm retraction (ART.-NO.: **SZ 07**) or electro-pneumatic arm retraction (ART.-NO.: **SZ 07/1**)
- Pneumatic fold-away stop (ART.-NO.: **SZ 08**)
- Measuring system Z 58 (ART.-NO.: **SZ 09**), measuring accuracy ± 0.2 mm/m
- Z 58 + magnetic tape 2 m – 8 m (ART.-NO.: **SZ 10 – SZ 16**)
- Stop extension bolt (ART.-NO.: **SZ 026**)
- Stop extension (ART.-NO.: **SZ 34**)

### ACCESSORIES // FROM P.12+13: FOR ALL EXACTLY STANDARD VERSIONS

- Cover plate (ART.-NO.: **SZ 06**)
- Special height via feet (ART.-NO.: **SZ 27**); Special height with spindle (ART.-NO.: **SZ 28**)
- Extendable material support arm (ART.-NO.: **SZ 35**)
- Plastic rollers: Track width 300 mm (ART.-NO.: **SZ 36**); 400 mm (ART.-NO.: **SZ 37**); 500 mm (ART.-NO.: **SZ 38**)
- Connection adapter on request

### ACCESSORIES // FROM P.12+13: EXACTLY MES-B/KF AND MES-E/KF

- Stop spring-loaded, fixed (ART.-NO.: **SZ 04**)
- Stop spring-loaded to zero (ART.-NO.: **SZ 05**)
- Stop extension bolt (ART.-NO.: **SZ 026**)
- Stop extension (ART.-NO.: **SZ 34**)
- Connection adapter on request

**EXACT STANDARD E/KF**

**VARIOUS ACCESSORIES // FROM P.12**



# ROLLER & MEASURING CONVEYORS

## EXACT MES



### LOAD CAPACITY

450 kg  
per m roller conveyor



### ROLLER CONVEYOR LENGTH

1 – 10 m  
+ special lengths



### WORKING HEIGHT

880 mm ± 60 mm

EXACT MES was developed for heavy-duty use in metal and mechanical engineering. The frame construction is made of high-quality and carefully welded steel. It contains metal support rollers with a wall thickness of 3 mm and a diameter of 89 mm. Due to the open design, loading by cranes is possible.

Support rollers	Steel tube-ø 89 x 3 mm, Axle ø 20 mm, ball bearing, galvanised
Support roller pitch	250 mm
Roller conveyor width	300, 400, 500 mm
Usable support roller width	250, 350, 450 mm
All parts powder coated	Roller conveyor feet: Anthracite grey RAL 7016 Upper part: silver grey RAL 7042

PRECISION  
GUIDE PROFILE

PRECISION FLAT STEEL GUIDE  
ON THE REAR OF THE ROLLER  
CONVEYOR

COMPRESSED  
AIR CONNECTION

DIGITAL LED DISPLAY  
ON HANDWHEEL ADJUSTMENT

SWITCH  
BRAKE ON/OFF



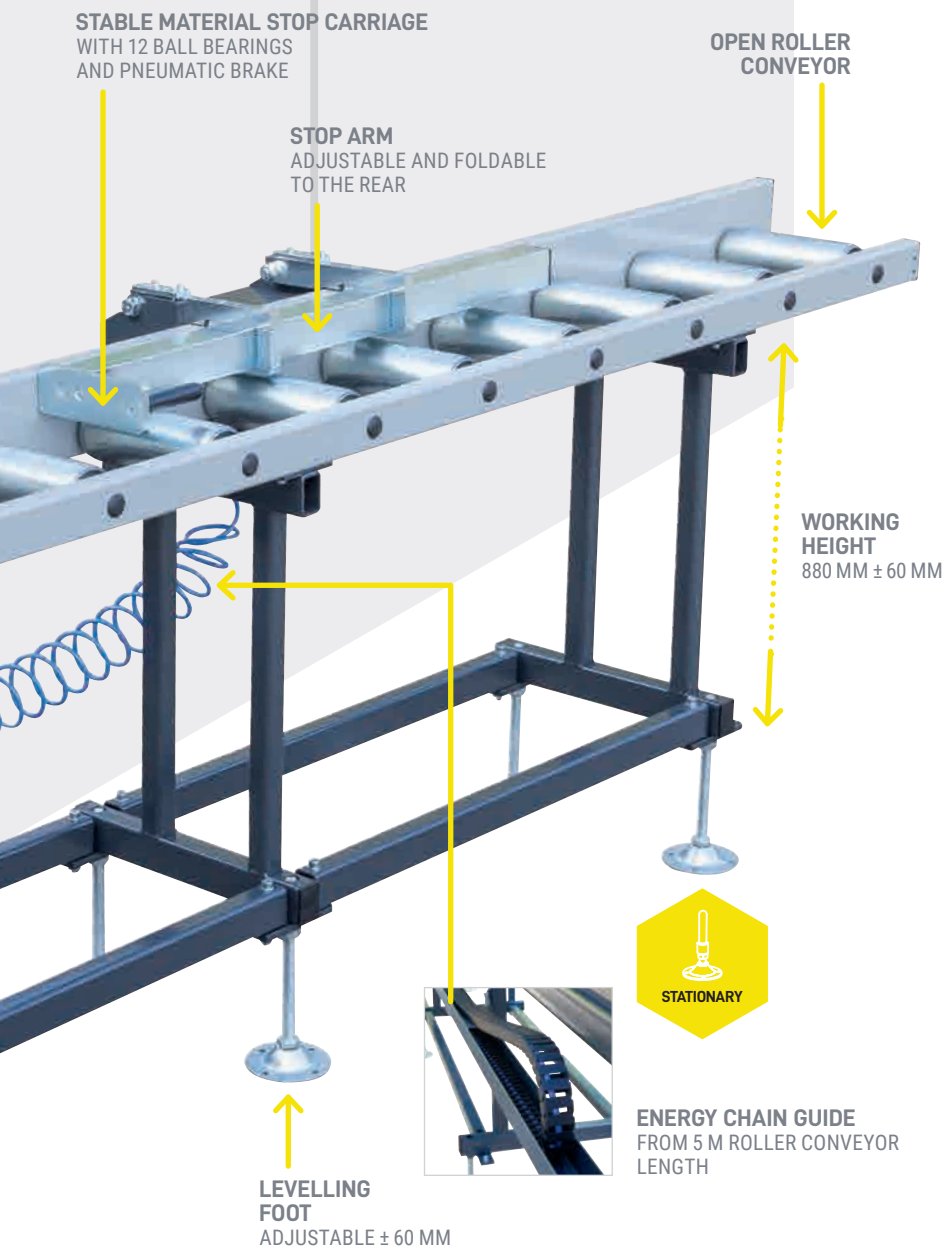
EXACT MES-C



EXACT MES-B/KF



EXACT MES-E/KF



#### EXACT MES-A

Length measuring system with digital LED display in mm, directly on the handwheel

Connection 230 V, 50 Hz with power supply unit

Optionally with 1/10 mm indicator Z58

Stop system adjustable via handwheel from the workstation

With pneumatic brake for measurement fixation

Stable material stop carriage, with 12 ball bearings, movable on large-dimensioned guide profile

Stop arm adjustable and foldable

**Max. measuring length = track length minus 450 mm**

Energy chain guide for cable and hose guide of roller conveyors from 5 m length

Measuring accuracy  $\pm 0.5$  mm/m

#### EXACT MES-C

Infeed/outfeed roller conveyor without scale and stop with lateral guide

#### EXACT MES-B/KF

Length measuring system with mm scale and reading magnifier on the stop carriage

Roller and measuring track with manual measuring system

Precision flat steel guide

Stop carriage with 6 ball bearings, smooth-running, manual adjustment and locking

Robust material stop, can be folded up

Measuring accuracy  $\pm 0.5$  mm/m

**Max. measuring length = track length minus 400 mm**

#### EXACT MES-E/KF

Length measuring system with magnetic tape and LCD indicator on the stop carriage

Roller and measuring conveyor with manual measuring system

Stable precision flat steel guide

Stop carriage with 6 ball bearings, smooth running, manual adjustment and locking

Robust material stop system, can be folded up

Measuring accuracy  $\pm 0.1$  mm/m

**Max. measuring length = track length minus 400 mm**

#### ACCESSORIES // FROM P.12+13:

##### ALL EXACT MES VERSIONS

- Cover plate (ART.-NO.: **SZ 06**)
- Special height via feet (ART.-NO.: **SZ 27**);
- Special height with spindle (ART.-NO.: **SZ 28**)
- Pull-out material support (ART.-NO.: **SZ 35**)

#### ACCESSORIES // FROM P.12+13:

##### MES-A

- Stop spring loaded, fixed (ART.-NO.: **SZ 04**)
- Stop spring loaded to zero (ART.-NO.: **SZ 05**)
- Pneumatic arm retraction (ART.-NO.: **SZ 07**);
- Electro-pneumatic arm retraction (ART.-NO.: **SZ 07/1**)
- Pneumatic fold-away stop (ART.-NO.: **SZ 08**)
- Measuring system Z58 (ART.-NO.: **SZ 09**), measuring accuracy  $\pm 0.2$  mm/m
- Z58 + magnetic tape 2 m – 8 m (ART.-NO.: **SZ 10 – SZ 16**), measuring accuracy  $\pm 0.1$  mm/m
- Stop extension bolt (ART.-NO.: **SZ 026**)
- Stop extension (ART.-NO.: **SZ 34**)
- Connection adapter on request

#### ACCESSORIES // FROM P.12+13:

##### EXACT MES-B/KF AND MES-E/KF

- Stop spring-loaded, fixed (ART.-NO.: **SZ 04**)
- Stop spring loaded to zero (ART.-NO.: **SZ 05**)
- Stop extension bolt (ART.-NO.: **SZ 026**)
- Stop extension (ART.-NO.: **SZ 34**)
- Connection adapter on request

## VARIOUS ACCESSORIES // FROM P.12

# ROLLER & MEASURING CONVEYORS

## EXACT ES



**LOAD CAPACITY**  
300 kg  
per m roller conveyor



**ROLLER TRACK LENGTH**  
1 – 10 m  
+ special lengths



**WORKING HEIGHT**  
880 mm ± 60 mm

The EXACT Extra Stable offers significant advantages especially in carpentry and timber construction businesses as well as in metal construction. The extra stable construction with welded profile tubes and additional gusset plates ensures the high strength. The C-shaped substructure creates practical storage areas underneath the roller conveyor.

Support rollers	Support rollers steel tube-ø 60 x 2 mm, axle-ø 15 mm, with internal M10 thread, ball bearing, galvanised
Support roller pitch	250 mm
Roller conveyor width	400, 500 mm
Usable support roller width	350, 450 mm
All parts powder coated	Roller conveyor feet: Anthracite grey RAL 7016 Upper part: silver grey RAL 7042

**STABLE MATERIAL STOP CARRIAGE**  
WITH 12 BALL BEARINGS, AND PNEUMATIC BRAKE, HOLDING FORCE 3,000 N

**DIGITAL LED DISPLAY ON HANDWHEEL ADJUSTMENT**



**EXACT EXTRA STABLE - B**

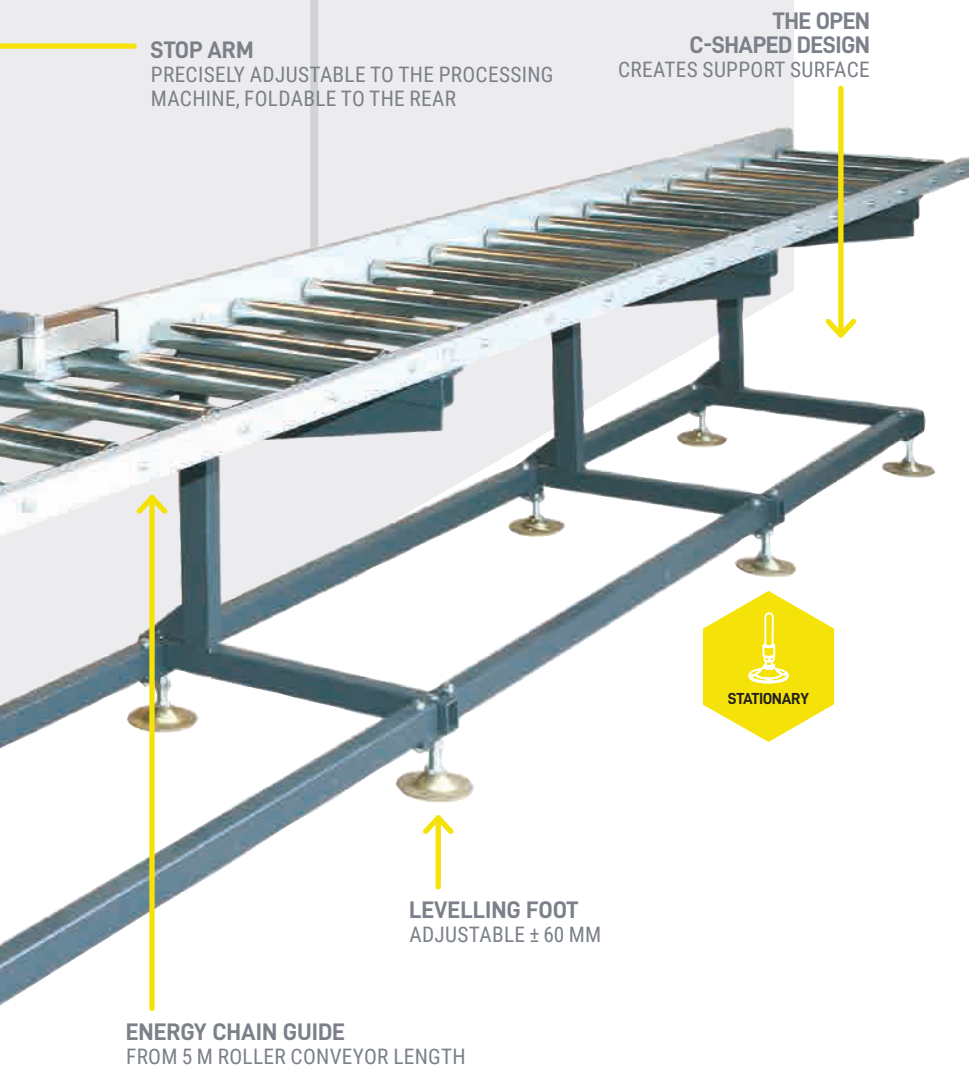


**EXACT EXTRA STABLE - B/KF**



**EXACT EXTRA STABLE - C**





#### STOP ARM

PRECISELY ADJUSTABLE TO THE PROCESSING MACHINE, FOLDABLE TO THE REAR

THE OPEN  
C-SHAPED DESIGN  
CREATES SUPPORT SURFACE

LEVELLING FOOT  
ADJUSTABLE  $\pm 60$  MM

ENERGY CHAIN GUIDE  
FROM 5 M ROLLER CONVEYOR LENGTH

#### ACCESSORIES // FROM P.12+13:

##### ALL EXACT ES VERSIONS

- Cover plate (ART.-NO.: SZ06)
- Special height via feet (ART.-NO.: SZ 27);  
Special height with spindle (ART.-NO.: SZ 28)
- Extendable material support (ART.-NO.: SZ 35)
- Material stop spring-loaded, fixed (ART.-NO.: SZ 04)
- Plastic rollers 500 mm track width (ART.-NO.: SZ 38); 400 track width (ART.-NO.: SZ 37)

#### ACCESSORIES // FROM P.12+13:

##### EXACT ES-A

- Stop spring loaded, fixed (ART.-NO.: SZ 04)
- Stop spring loaded to zero (ART.-NO.: SZ 05)
- Pneumatic arm retraction (ART.-NO.: SZ 07); electro-pneumatic arm retraction (ART.-NO.: SZ 07/1)
- Pneumatic fold-away stop (ART.-NO.: SZ 08)
- Measuring system Z58 (ART.-NO.: SZ 09)
- Z58 + magnetic tape 2 – 8 m (ART.-NO.: SZ 10 – SZ 16)
- Stop extension bolt (ART.-NO.: SZ 026)
- Stop extension (ART.-NO.: SZ 34)
- Connection adapter on request

#### ACCESSORIES // FROM P.12+13:

##### EXACT ES-B/KF

- Material stop spring loaded, fixed (ART.-NO.: SZ 04)
- Material stop spring-loaded to 0 (ART.-NO.: SZ 05)
- Stop extension bolt (ART.-NO.: SZ 026)
- Stop extension (ART.-NO.: SZ 34)

#### ACCESSORIES // FROM P.12+13:

##### EXACT ES-B

- Additional folding stop (ART.-NO.: ESZ 01)

#### EXACT STABLE – A

Length measuring system with digital LED display in mm, directly on the handwheel

Connection 230 V, 50 Hz with power supply unit

Stop system adjustable via handwheel from the workstation

With pneumatic brake for measurement fixation

Stop arm adjustable and foldable to the rear

**Max. measuring length = track length minus 450 mm**

Energy chain guide for conveyors from 5 m length

Measuring accuracy  $\pm 0.5$  mm/m

#### EXACT EXTRA STABLE – B

Roller and measuring track with mm scale

Manual measuring system with C-guide profile and folding length stop

**Max. measuring length = track length minus 260 mm**

#### EXACT EXTRA STABLE – B/KF

Roller and measuring conveyor with length measuring system and mm scale

Stable precision flat steel guide

Stop carriage with 6 ball bearings, smooth running, manual adjustment and locking

Robust material stop, can be folded up

**Max. measuring length = track length minus 450 mm**

#### EXACT EXTRA STABLE – C

Roller conveyor without scale and stop (= feed roller conveyor) with lateral guide

# ROLLER & MEASURING CONVEYORS

## EXACT ESF



### LOAD CAPACITY

300 kg  
per m roller conveyor



### ROLLER CONVEYOR LENGTH

1 – 10 m  
+ special lengths



### WORKING HEIGHT

880 mm ± 60 mm

The mobile version of the extra-sturdy roller and measuring conveyor. Four swivel castors allow the EXACT ESF to be used in various places in the company as well as outdoors.

Swivel castors	4 pieces, ø 200 mm, with 2 brakes, only ESF-1 and ESF-2: with 5 crank supports
Total length	ESF-1: 7,100 mm* ESF-2: 8,600 mm* ESF-3: 3,840 mm (with extension: 5,340 mm) *for saw G-ZS 170 + 200
Measuring length	ESF-1: 400 – 4,460 mm max. 7,200 mm incl. extension ESF-2: 400 – 5,960 mm max. 8,800 mm incl. extension ESF-3: 3,050 mm
Powder-coated	RAL 9002 grey white

### FLEXIBILITY

EXTENDABLE EXTENSION  
UP TO 7,200 MM MEASURING  
LENGTH (ESF-1)

### STOP SLIDE

MANUALLY ADJUSTABLE  
ANALOG MEASURING SYSTEM  
AND FOLDING STOP

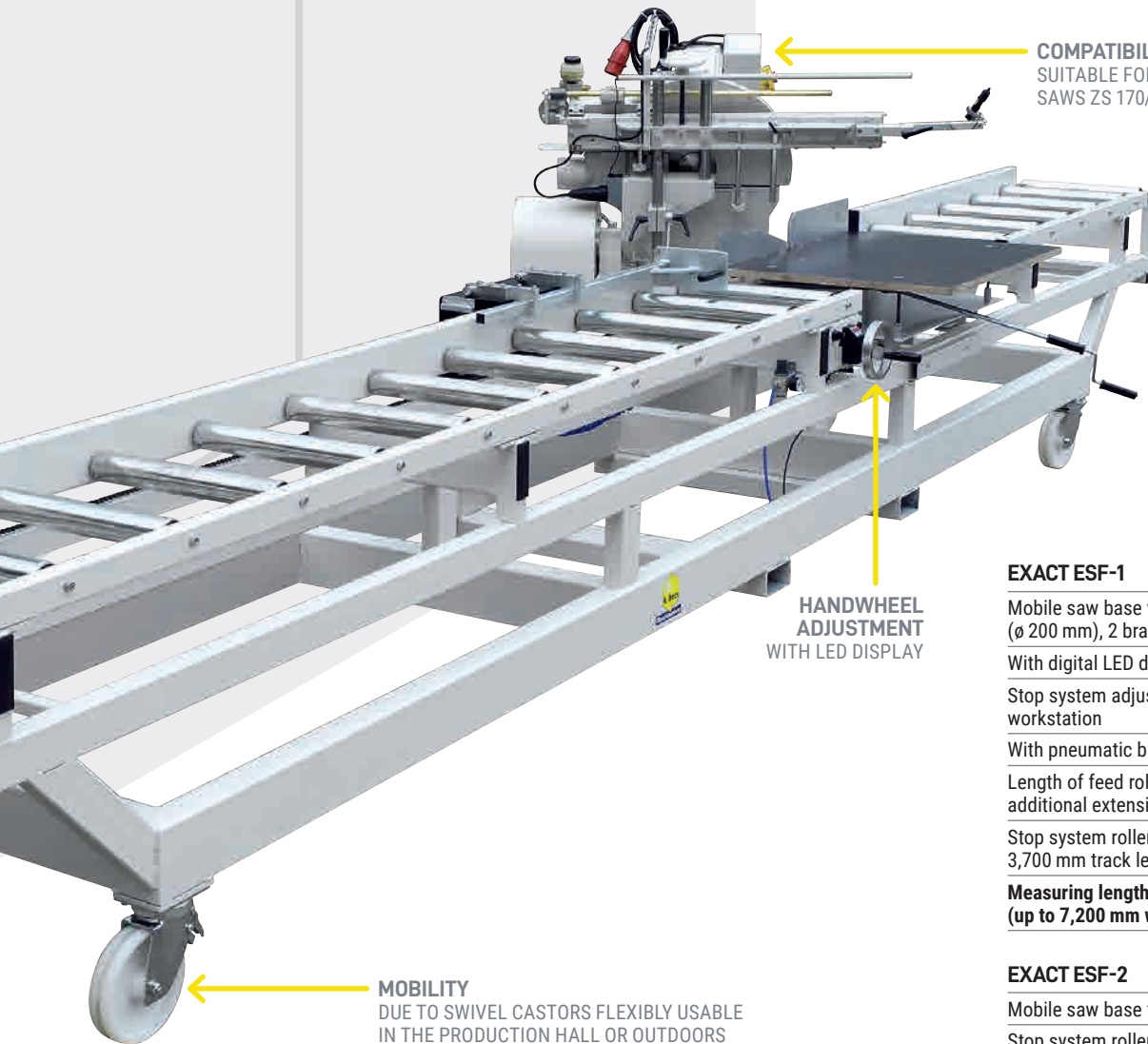
### TABLE EXTENSION ESF 3-1

### COMPATIBILITY

SUITABLE FOR GRAULE PULL SAWS  
ZS 170/ZS 200 AND OTHERS



MEASURING LENGTH  
WITH TABLE EXTENSION: 3,050 MM



#### FEED ROLLER CONVEYOR

**COMPATIBILITY**  
SUITABLE FOR GRAULE PULL  
SAWS ZS 170/ZS 200 AND OTHERS

**HANDWHEEL  
ADJUSTMENT  
WITH LED DISPLAY**

**MOBILITY**  
DUE TO SWIVEL CASTORS FLEXIBLY USABLE  
IN THE PRODUCTION HALL OR OUTDOORS

#### EXACT ESF-1

Mobile saw base with 4 swivel castors  
( $\varnothing$  200 mm), 2 brakes and 5 crank supports

With digital LED display in mm

Stop system adjustable via handwheel from the  
workstation

With pneumatic brake for measurement fixation

Length of feed roller conveyor, right: 1,450 mm +  
additional extension of 1,300 mm

Stop system roller conveyor EXACT A left:  
3,700 mm track length

**Measuring length from 400 – 4,460 mm  
(up to 7,200 mm with extension)**

#### EXACT ESF-2

Mobile saw base for saw G-ZS 170 + 200

Stop system roller conveyor on left side, track  
length 5,200 mm

Digital LED measuring display

Otherwise like ESF-1

**Measuring length 400 – 5,960 mm  
(up to 8,800 mm with extension)**

#### EXACT ESF-3

Mobile saw base for crosscut and mitre saw  
Graule ZS 170 + 200

With 1.500 mm long roller conveyor on both  
sides; Left side with roller conveyor, scale and  
folding stop EXACT B; right side with feed roller  
conveyor EXACT C

#### ACCESSORIES // FROM P.12+13: FOR EXACT ESF-1, AND ESF-2

- Graule saw ZS 200 N, modified inclination adjustment via hand crank at the rear of the machine (ART.-NO.: **ESF 4**)
- Feed brake (ART.-NO.: **ESF 5**)
- Laser device (ART.-NO.: **ESF 6**)
- Material stop spring-loaded, fixed (ART.-NO.: **SZ 04**)
- Material stop spring-loaded and adjustable to 0-point (ART.-NO.: **SZ 05**)
- Removable cover plate between the support rollers (ART.-NO.: **SZ06**)
- Pneumatic arm retraction (ART.-NO.: **SZ 07**)
- Material stop, pneumatically foldable to the rear (ART.-NO.: **SZ 08**)
- Indicator Z58 with 1/10 mm, with magnetic pole ring and sensor head (ART.-NO.: **SZ 09**)
- Stop extension bolt (ART.-NO.: **SZ 026**)
- Stop extension (ART.-NO.: **SZ 34**)

#### ACCESSORIES // FROM P.12+13: FOR EXACT ESF-3

- Table extension for ESF-3 left up to measuring length 3,050 mm (ART.-NO.: **ESF 3-1**)
- Graule saw ZS 200 N, modified Inclination adjustment via hand crank at the rear of the machine (ART.-NO.: **ESF 4**)
- Folding stop (ART.-NO.: **ESZ 01**)
- Feed brake (ART.-NO.: **ESF 5**)
- Laser device (ART.-NO.: **ESF 6**)
- Removable cover plate between the support rollers (ART.-NO.: **SZ06**)
- Stop extension bolt (ART.-NO.: **SZ 026**)

#### VARIOUS ACCESSORIES // FROM P.12

# ROLLER & MEASURING CONVEYORS

## EXACT HD



### LOAD CAPACITY

800 kg  
per m roller conveyor



### ROLLER CONVEYOR LENGTH

2.000 – 12.000 mm

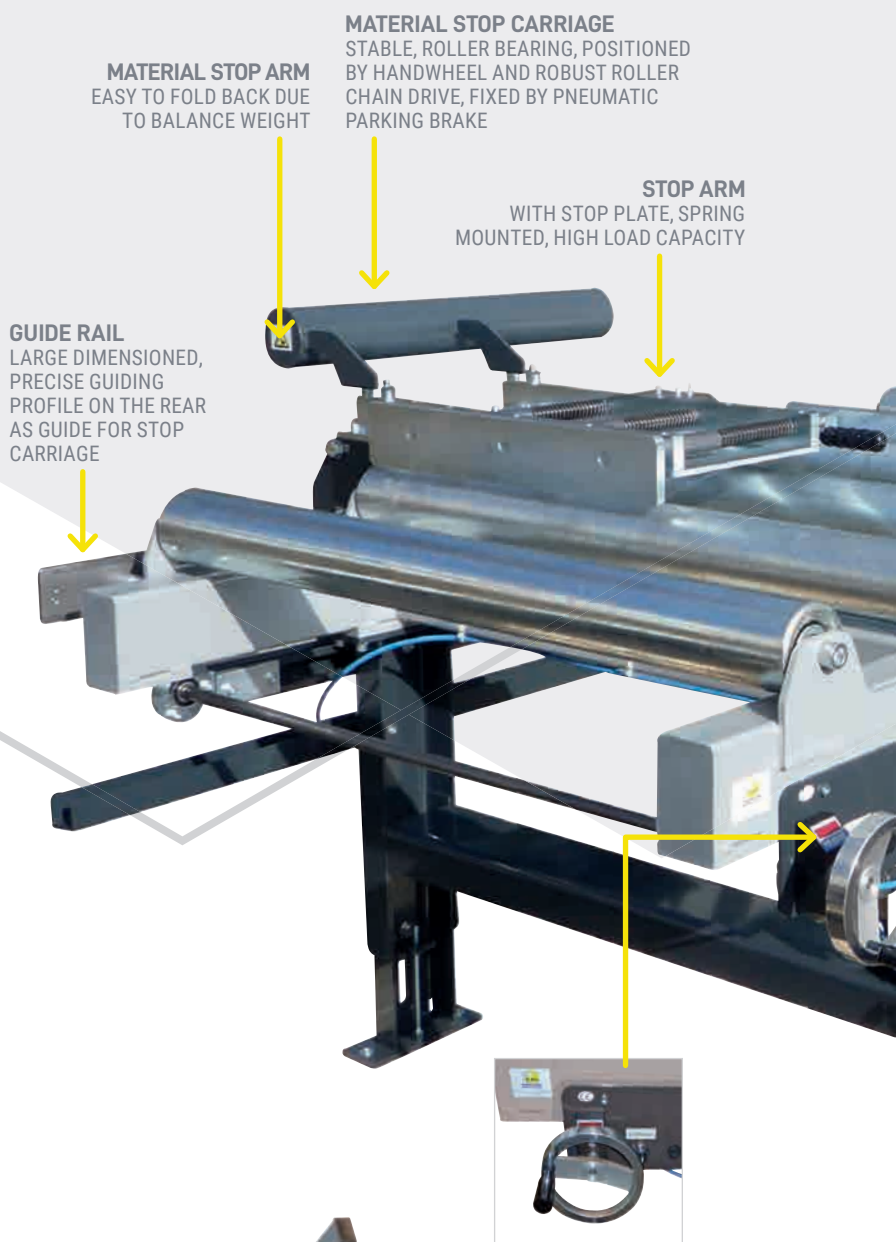


### WORKING HEIGHT

1: 855 mm ± 75 mm  
2: 905 mm ± 75 mm

The extremely robust welded steel construction, made of thick-walled profile tubes and laser-machined sheet metal parts, is particularly suitable for metal and steel construction. The sturdy construction allows loading and unloading with a crane or forklift truck.

Support rollers	Roller- $\varnothing$ 108 x 3.25 mm Galvanised tubular steel, Axle- $\varnothing$ 30 mm, ball bearing mounted
Support roller pitch	333 mm
Usable support roller width	S: 600 mm W: 1.150 mm
All parts powder coated	Roller conveyor feet: Anthracite grey RAL 7016 Upper part: silver grey RAL 7042



EXACT HD-C - FEED ROLLER CONVEYOR



EXACT HD-E - STOP SYSTEM TRACK





RAISED SUPPORT ROLLERS

EXTREMELY ROBUST  
STEEL WELDING CON-  
STRUCTION FROM STRONG  
WALL PROFILE TUBES


### EXACT HD-A STOP ROLLER CONVEYOR

Stop carriage with roller bearings  
Smoothly adjustable by hand wheel  
With pneumatic brake  
Spring-loaded material stop plate 500 x 100 mm  
Easy to fold up  
LED display for measurement on handwheel  
Optionally: Z58

### EXACT HD-C – FEED ROLLER CONVEYOR

Very robust welded steel construction  
Segment parts in lengths of 2,000 and 3,000 mm  
Loading and unloading can be done with forklift or crane  
Basic roller conveyor as feed/stopping roller conveyor

### EXACT HD-E – STOP SYSTEM TRACK

Guide profile with magnetic tape measuring system  
Stop carriage with roller bearings  
Easy to adjust and fix  
Stop carriage with robust disc spring brake  
Easy to move and fix via operating lever  
Material stop can be folded up easily

### SUPPORT FEET PITCH

Roller track length	Number of feet
2.000 mm	
3.000 mm	
4.000 mm	
5.000 mm	
6.000 mm	
7.000 mm	
8.000 mm	
9.000 mm	
10.000 mm	
11.000 mm	
12.000 mm	

### ACCESSORIES // FROM P.12+13: FOR EXACT HD-C, HD-A AND HD-E

- Material stop pneumatically foldable to the rear (ART.-NO.: SZ 08)
- Indicator Z 58 with 1/10 mm, with magnetic pole ring and sensor head (ART.-NO.: SZ 09)

### VARIOUS ACCESSORIES // FROM P.12



# ACCESSORIES

## PRACTICALLY EXPANDABLE

The roller and measuring conveyors of the EXACT series from Beck Maschinenbau are practically expandable for individual applications. You will find the accessories available for each product in the grey coloured box.

Please do not hesitate to ask our team for advice for your area of application. We will recommend the suitable equipment to you.



### MATERIAL STOP ARM SPRING MOUNTED

Manually foldable to the rear  
Not adjustable to 0-point

ART.-NO.: SZ 04



### MATERIAL STOP SPRING LOADED

Adjustable to 0-point  
Manually foldable to the rear

ART.-NO.: SZ 05



### COVER PLATE

Between the support rollers, removable  
Galvanised

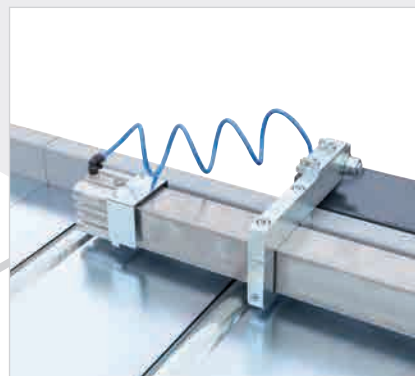
ART.-NO.: SZ 06



### PNEUMATIC MATERIAL STOP

Foldable to the rear

ART.-NO.: SZ 08



### PNEUMATIC ARM RETRACTION

From spring-loaded material stop arm  
Controlled by switch on control panel  
10 mm clearance stroke

ART.-NO.: SZ 07



### ELECTROPNEUMATIC ARM RETRACTION

Automatic control via processing machine

ART.-NO.: SZ 07/1



### MEASURING SYSTEM WITH 1/10 MM INDICATOR Z58

With magnetic pole ring and sensor head

ART.-NO.: SZ 09



### MAGNETIC TAPE MEASURING SYSTEM WITH Z58

2 – 10 m

ART.-NO.: SZ 10 - SZ 16



### SPECIAL WORKING HEIGHT

Raised substructure

Deviating from standard construction height  
880 ± 60 mm

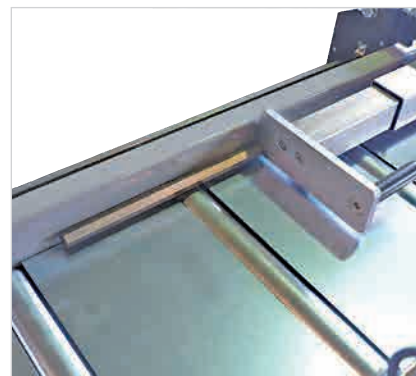
ART.-NO.: SZ 27



### SPECIAL WORKING HEIGHT

Foot plate with extended spindle M16 x 250 mm

ART.-NO.: SZ 28



### STOP EXTENSION BOLT

300 mm long

ART.-NO.: SZ 26



### STOP EXTENSION

250 mm long

ART.-NO.: SZ 34



### EXTENDABLE MATERIAL SUPPORT ARM

ART.-NO.: SZ 35



### FOLDING STOP FOR EXACT STANDARD B, ES-B AND EFS-3

ART.-NO.: ESZ 01



## TEST, EXPERIENCE, FALL IN LOVE

Our showroom in Sigmaringen (Southern Germany) is a permanent product presentation where you can try out our products and machines. We are happy to advise personally on site.



### CONTACT US WITHOUT OBLIGATION:

phone: +49 (0)7576 962978-0

e-mail: [info@beck-maschinenbau.de](mailto:info@beck-maschinenbau.de)

# ROLLER & MEASURING CONVEYORS

## EXACT LC



**LOAD CAPACITY**  
100 kg  
per m roller conveyor



**ROLLER CONVEYOR LENGTH**  
2 – 6 m  
+ special lengths



**WORKING HEIGHT**  
770 – 1.070 mm  
adjustable

### PRECISE MACHINING OF LIGHT WORKPIECES

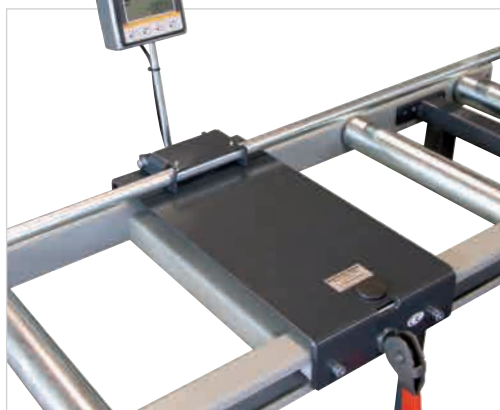
EXACT LC is a roller and measuring conveyor system on which lighter wood, metal or plastic profiles can be precisely sawn, drilled or milled. The substructure is solidly made of 3 mm steel profiles and painted. In the standard version, the length stop is set via a magnifying glass on the measuring scale mounted in the field of vision. Optionally, a digital indicator is available as a special accessory.

The EXACT LC roller and measuring conveyors are manufactured in a modular system of 2 and 3 m pieces and can therefore be easily extended as required. The tracks are equipped with a different number of support feet according to the total length selected.

Support rollers	Galvanised tubular steel, ø 50 x 1.5 mm, axle-ø 8 mm optionally made of plastic
Support roller pitch	290 mm
Roller conveyor width	390 mm
Usable support roller width	300 mm
Max. measuring length	track length minus 250 mm
All parts powder coated	Roller conveyor feet: Anthracite grey RAL 7016 Upper part: silver grey RAL 7042



**TELESCOPIC FEET**  
ALL FEET INDEPENDENTLY ADJUSTABLE,  
EASY ADJUSTMENT  
AT DESIRED WORKING  
HEIGHT AND LEVELLING  
OF UNEVEN FLOORS



EXACT LC-C

EXACT LC-E

**STOP CARRIAGE**  
WITH 4 ROLLER BEARINGS,  
EASY TO MOVE MANUALLY

**APPROACHING ARM**  
PRECISELY ADJUSTABLE TO THE PROCES-  
SING MACHINE, FOLDABLE TO THE REAR

**RAISED SUPPORT ROLLERS**

STATIONARY



**MEASURING SYSTEM**  
MANUALLY WITH MM-SCALE  
AND MAGNIFYING GLASS



**EASY AND QUICK TO ADJUST**  
WITH THE STANDARD QUICK  
CLAMPING DEVICE THE STOP  
CARRIAGE CAN BE EASILY AND  
PRECISELY CLAMPED AT THE  
DESIRED POSITION

### EXACT LC-B

Stop track with length stop

Manual measuring system with mm scale and  
reading magnifier

Stop adjustable and foldable to the rear

### EXACT LC-C

Feed roller conveyor

Without length stop

Without measuring system

### EXACT LC-E

Manual measuring system with magnetic tape  
length measuring device and digital display

Battery-operated LCD indicator for easy reading

Measuring accuracy  $\pm 0.20$  mm

The stop carriage can be fixed easily and accu-  
rately with the quick clamping device

Otherwise like EXACT-LC-B

### SUPPORT FEET PITCH

Roller track length	Number of feet
2.000 mm	
3.000 mm	
4.000 mm	
5.000 mm	
6.000 mm	

#### ACCESSORIES // FROM P.12+13:

- Additional support foot for LC-C, LC-B and LC-E  
(ART.-NO.: **LCZ 300**)
- Plastic support rollers (ART.-NO.: **SZ 39**)

### VARIOUS ACCESSORIES // FROM P.12



# ROLLER & MEASURING CONVEYORS

## EXACT-F

**COMPLETE SET, ALSO AVAILABLE  
AS INDIVIDUAL ITEMS.**

Wherever workpieces are to be precisely machined, the folding rule no longer has any place. It is too inaccurate, especially in the production of series parts where identical dimensions are important. EXACT-F is the modern and economical alternative. After adjustment, this length measuring system ensures that the bore, cutting or milling are positioned exactly where they are intended. EXACT-F thus decisively increases productivity in the production process.

Length stop system for retrofitting existing equipment on processing machines

### Scope of delivery per set

Stop rail	1.000 mm (Set 1)
	2.000 mm (Set 2)
	3.000 mm (Set 3)

Measuring scale slope right > left

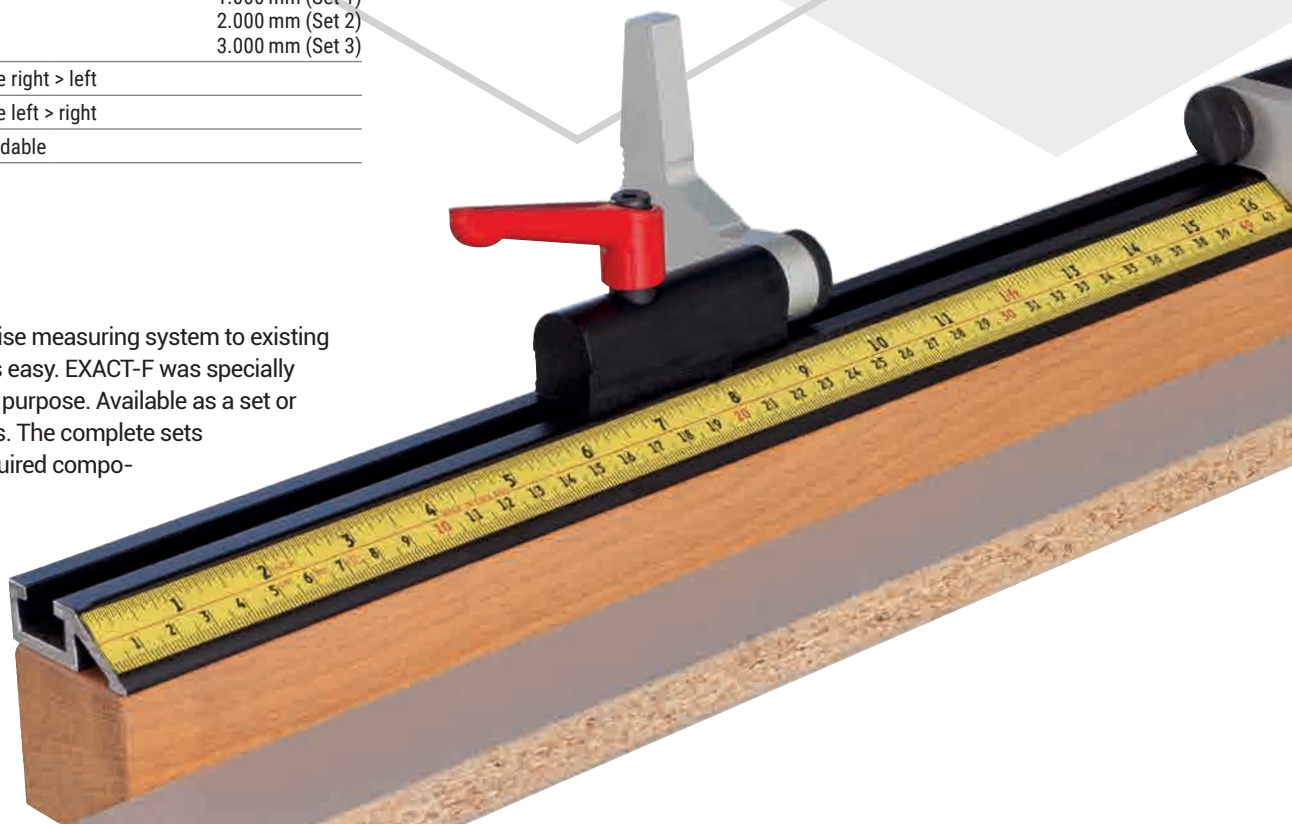
Measuring scale slope left > right

2 measuring stops foldable

### RETROFITTING

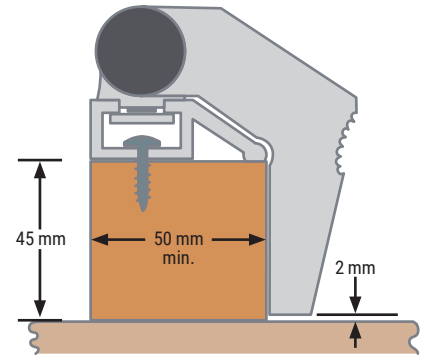
Retrofitting a precise measuring system to existing machining units is easy. EXACT-F was specially developed for this purpose. Available as a set or as individual items. The complete sets contain all the required components.

STOP FINGERS  
CAN BE FOLDED UP





# RETROFITTABLE



## EXACT-F

Manual length stop system for easy retrofitting

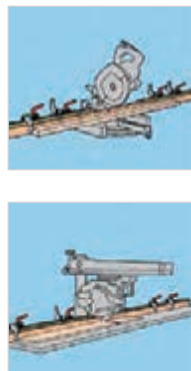
Can be easily screwed onto wooden or aluminium profile bar – approx. 50 x 45 mm

Elongated holes in the stop rail allow exact adjustment to the tool 0-point of the processing machine

Can be mounted on the left or right side of the processing machine

Long service life even with heavy use due to high-quality components made of steel or anodised aluminium

EXACT-F is quick and easy to install. The stop rail and scale are simply screwed onto a 45 x 50 mm wooden profile. Now just insert the measuring slide, adjust the entire measuring unit and EXACT-F is ready for use.



# ROLLER & MEASURING CONVEYORS

## EXACT P/E + P/B

### SIMPLE RETROFITTING OF PRECISION

The EXACT P length stop system consists of a load-bearing aluminium profile with a ball-bearing guide carriage. The dimension scale with mm graduation and the centrally mounted reading magnifier simplify the setting of the desired dimension enormously. The stable stop carriage can be folded to the rear if necessary. The complete length stop system is mounted on the existing roller conveyor and is ready for immediate use.

Anodised aluminium profile	90 x 80 mm
Internally guided carriage with ball bearings	
Special sealing lips to protect against dust and moisture	
Stable clamping device to fix the carriage in place	
Easy mounting on table or roller conveyor	

**MODULAR  
SEGMENT SYSTEM**  
AVAILABLE IN ANY  
DESIRED LENGTH



**LENGTH MEASURING DEVICE**  
MANUAL WITH BATTERY OPERATED DIGITAL LCD DISPLAY AND AUTOMATIC ECONOMY MODE

### SMOOTH-RUNNING GUIDE CARRIAGE

INTERNALLY GUIDED, BALL BEARING MOUNTED, WITH CLAMPING DEVICE FOR FIXATION

**MATERIAL STOP**  
CAN BE FOLDED UP

**ANODISED ALUMINIUM PROFILE**  
WITH 2 T-SLOTS ON THE UNDERSIDE

STATIONARY

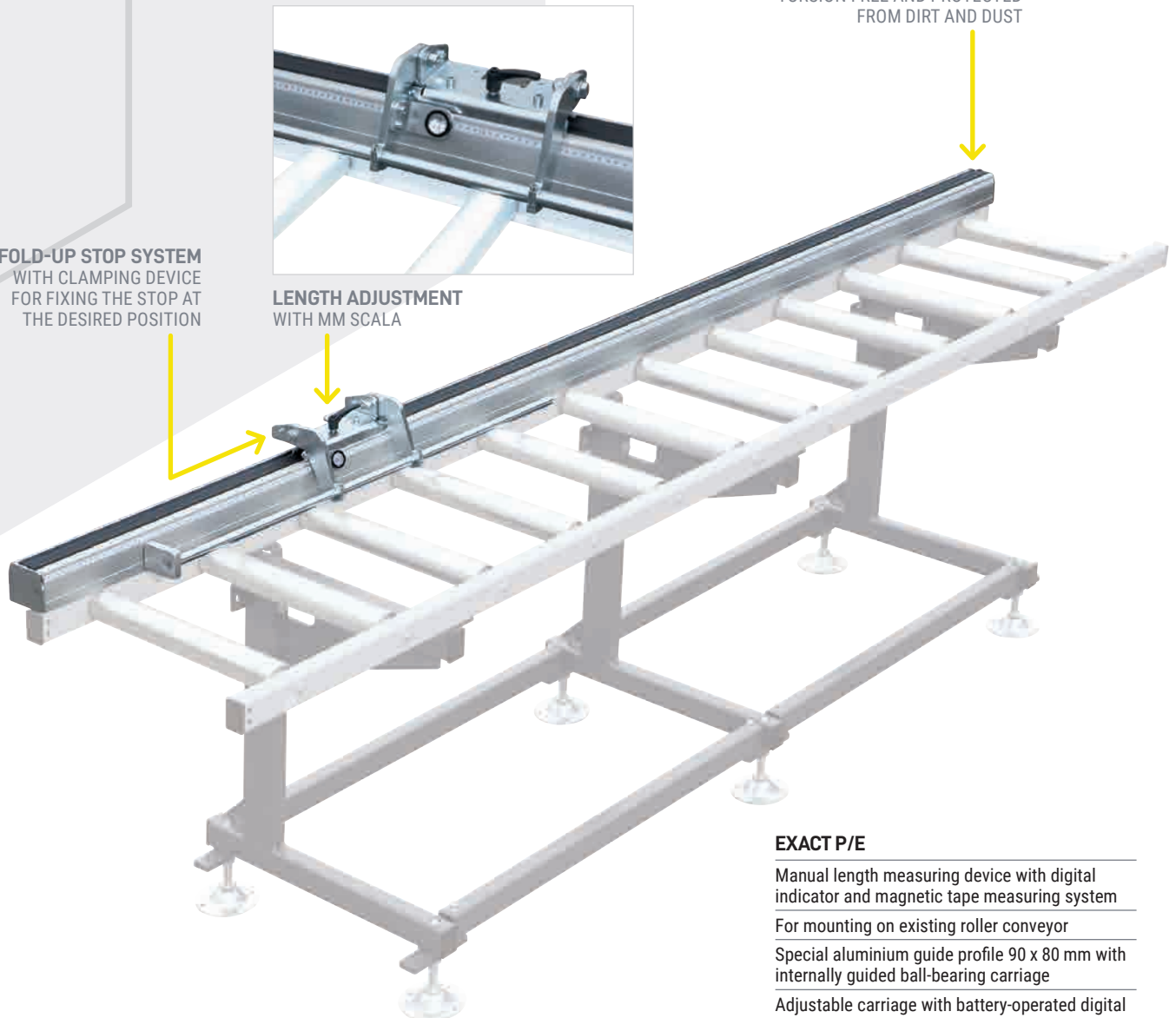
- ACCESSORIES // FROM P.12+13:  
FOR EXACT P/E AND EXACT P/B**
- Extension special aluminium guide profile (ART.-NO.: P-E 02)
  - Material stop carriage incl. folding stop and digital indicator (ART.-NO.: P-E 03)
  - Profile mounting bracket (ART.-NO.: PBW 01)

# RETROFITTABLE

**FOLD-UP STOP SYSTEM**  
WITH CLAMPING DEVICE  
FOR FIXING THE STOP AT  
THE DESIRED POSITION

**LENGTH ADJUSTMENT**  
WITH MM SCALA

**ALUMINIUM PROFILE**  
DUE TO THE EXTREMELY STABLE  
ALUMINIUM PROFILE, THE UNIT IS  
TORSION-FREE AND PROTECTED  
FROM DIRT AND DUST



## EXACT P/E

Manual length measuring device with digital indicator and magnetic tape measuring system

For mounting on existing roller conveyor

Special aluminium guide profile 90 x 80 mm with internally guided ball-bearing carriage

Adjustable carriage with battery-operated digital LCD indicator

Secure fixing due to stable clamping device

Measuring accuracy  $\pm 0.2$  mm/m

## EXACT P/B

Manual length measuring device with mm scale

For mounting on existing roller conveyor

Special aluminium guide profile 90 x 80 mm with internally guided, ball bearing mounted carriage and special sealing lips, with reading magnifier

Guide profile with mm scale

Fold-up stop system

Secure fixing due to stable clamping device

Measuring accuracy  $\pm 0.5$  mm/m

## ACCESSORIES // FROM P.12+13: FOR EXACT P/E AND EXACT P/B

- Extension special aluminium guide profile (ART.-NO.: **P-B 02**)
- Material stop carriage incl. folding stop (ART.-NO.: **P-B 03**)
- Profile mounting bracket (ART.-NO.: **PBW 01**)

## VARIOUS ACCESSORIES // FROM P.12

# ROLLER & MEASURING CONVEYORS

## EXACT ELG/DC

The automatic stop and positioning system for production areas where absolute precision and repeatability are essential.

Support rollers	Galvanised steel tube ø 60 x 2 mm
Support roller pitch	250 mm
Roller conveyor width	300, 400, 500 mm
Support roller width	250, 350, 450 mm
Max. measuring length	roller conveyor length minus 490 mm

### LCD DISPLAY

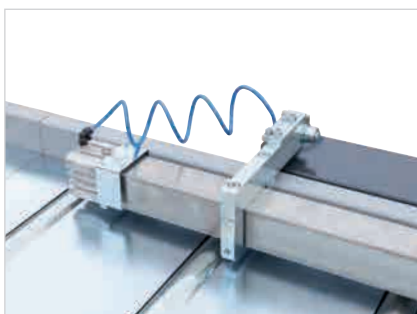
- + Manual or programme-controlled
- + Easy and fast input of set values and piece quantities
- + Program memory with up to 1,000 data blocks
- + Absolute and incremental positioning
- + Tool thickness calculation
- + Offset measurement functions
- + Reference function

### ACCESSORIES // FROM P.12+13:

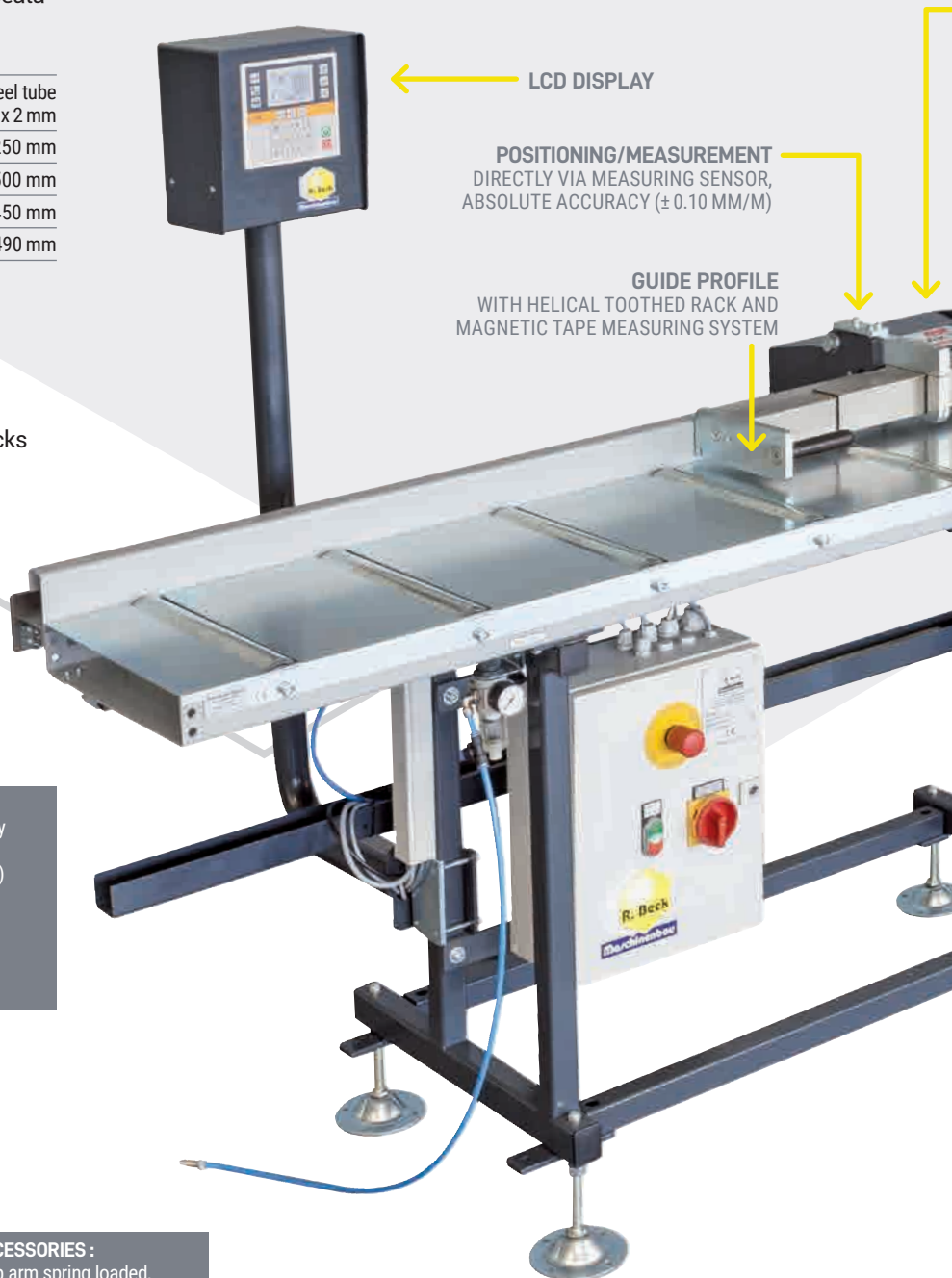
- Stop arm spring-mounted, fixed, not adjustable, manually foldable to the rear (ART.-NO.: **BELG-04**)
- Stop arm spring loaded, adjustable (ART.-NO.: **BELG-05**)
- Pneumatic arm retraction, stroke 10 mm (only available combined with **BELG-05** – stop arm spring loaded and adjustable) (ART.-NO.: **BELG-06**)
- Roller conveyor EXACT MES
- Roller conveyor EXACT ES



**ACCESSORIES:**  
Stop arm spring loaded,  
adjustable  
(ART.-NO.: **BELG-05**)



**ACCESSORIES:**  
Pneumatic arm retraction,  
stroke 10 mm  
(ART.-NO.: **BELG-06**)



LCD DISPLAY

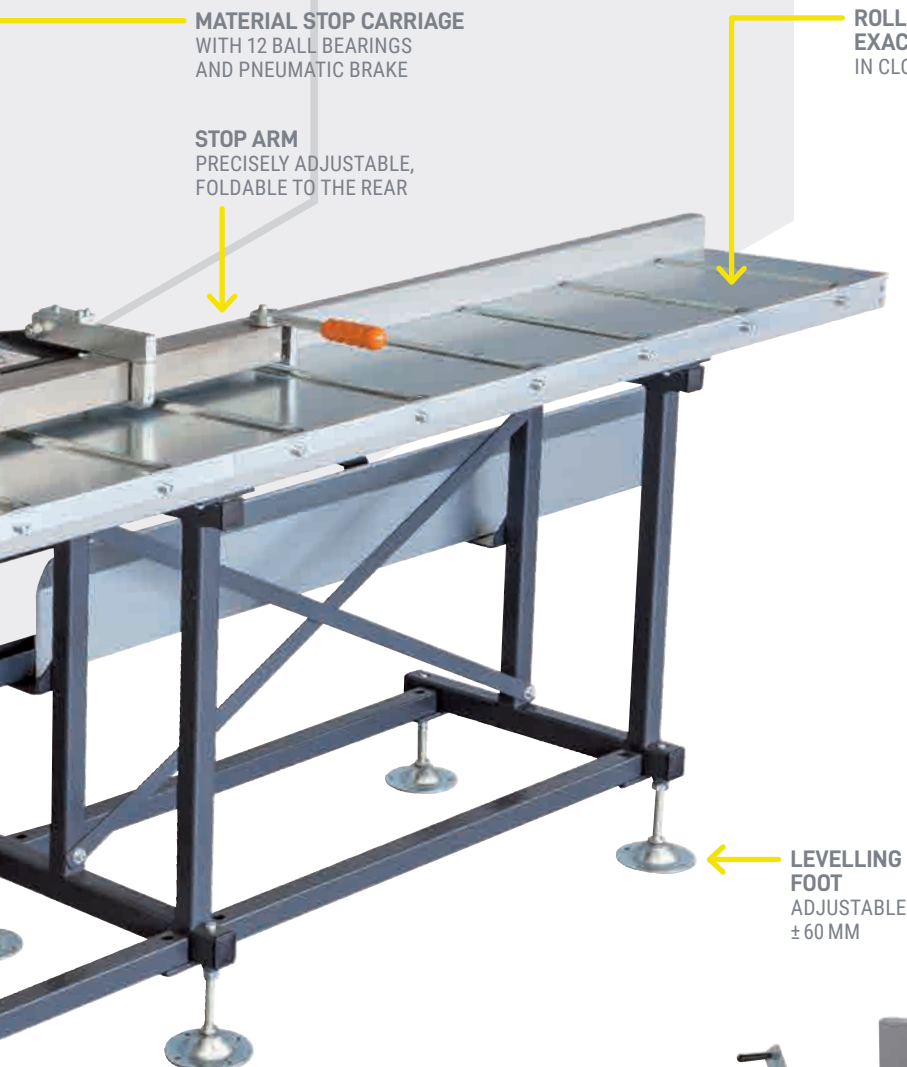
**POSITIONING/MEASUREMENT**  
DIRECTLY VIA MEASURING SENSOR,  
ABSOLUTE ACCURACY ( $\pm 0.10$  MM/M)

**GUIDE PROFILE**  
WITH HELICAL TOOTHED RACK AND  
MAGNETIC TAPE MEASURING SYSTEM



STATIONARY





**MATERIAL STOP CARRIAGE**  
WITH 12 BALL BEARINGS  
AND PNEUMATIC BRAKE

**STOP ARM**  
PRECISELY ADJUSTABLE,  
FOLDABLE TO THE REAR

**ROLLER CONVEYOR**  
**EXACT STANDARD**  
IN CLOSED DESIGN

**LEVELLING**  
**FOOT**  
ADJUSTABLE  
± 60 MM

### EXACT ELG/DC

Automatic stop and positioning system with roller conveyor in closed design

With Beck ELG P40 control unit

Single-axis position control

Used for simple positioning applications

Convenient and fast setting of the target position and piece quantity via keypad, then the positioning can be started

Internal program memory with max. 500 data blocks

Stop carriage 80/10 DC, with 12 ball bearings, pneumatic shear brake, holding force at 6 bars approx. 3,000 N

Stop arm standard, 850 mm long, stop plate adjustable up to 0-point, can be folded to the rear

Guide profile 80/10, with toothed rack and magnetic tape measuring system



**VARIOUS ACCESSORIES // FROM P.12**



# ROLLER & MEASURING CONVEYORS

## EXACT NC

### STOP OR PUSHER SYSTEM

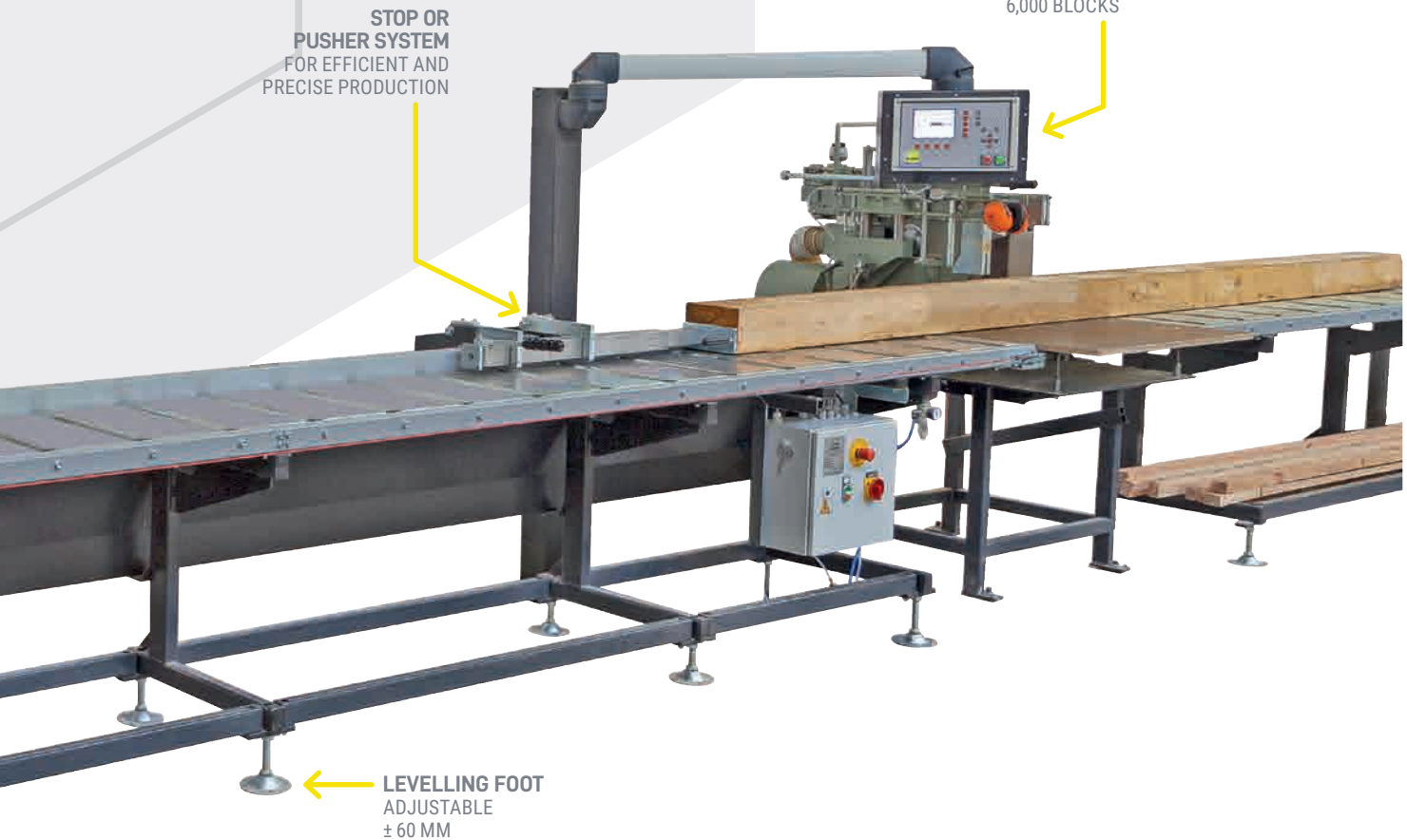
The fully automatic, programmable stop and positioning system can be used as an automatic stop or pusher system. The system is suitable for all industries and has a large program memory.

Support rollers	Galvanised tube steel, ø 60 x 2 mm
Support roller pitch	250 mm
Roller conveyor width	300, 400, 500 mm
Usable support roller width	250, 350, 450 mm
Roller conveyor length	up to 10 m
Measuring length	roller conveyor length minus 490 mm

STOP SYSTEM  
ROLLER CONVEYOR  
IN CLOSED DESIGN



**OPTIONALLY, THE CONTROL UNIT  
CAN ALSO BE COMBINED WITH  
A HAND SCANNER AND A ZEBRA  
BARCODE PRINTER.**



**5.7" COLOUR TFT TOUCH-SCREEN**  
STORES UP TO 99 PROGRAMS,  
6,000 BLOCKS

**STOP OR  
PUSHER SYSTEM**  
FOR EFFICIENT AND  
PRECISE PRODUCTION

**LEVELLING FOOT**  
ADJUSTABLE  
± 60 MM

#### ACCESSORIES // FROM P.12+13: EXACT ES-A

- Software: Communication program „Device Control“ as single-user version with integrated LAN interface (ART.-NO.: **NC 02-0**)
- Hand-held scanner IT 3800 (ART.-NO.: **NC 02-1**)
- Zebra barcode printer GK420T (ART.-NO.: **NC 02-2**)
- Stop carriage 80/10 servo, nominal torque 80 Ncm (ART.-NO.: **NC 03-S**)
- Stop carriage type 80/10 DC, 12-fold ball bearing, with robust pneumatic shear brake (ART.-NO.: **NC 03-DC**)
- Stop arm standard, 850 mm long (ART.-NO.: **NC 04-1**)
- Stop arm spring loaded, fixed (ART.-NO.: **NC 04-2**)
- Stop arm spring loaded, adjustable, foldable to the rear (ART.-NO.: **NC 04-3**)
- Mechanical quick clamping device for material to be processed (ART.-NO.: **NC 04-4-S**)
- Pneumatic clamping device, equipped with pneumatic cylinder and switch for clamping/releasing (ART.-NO.: **NC 04-5-S**)
- Pneumatic material stop arm, foldable to the rear (ART.-NO.: **NC 04-6**)

#### EXACT NC

Automatic programmable stop and positioning system

With control unit PS 811 P-DC for DC drive (Art.-No. NC 01-DC) and stop carriage 80/10 DC (Art.-No. NC 03-DC), can be used as a stop system

With control unit 811-P-S for servo drive (Art.-No. NC 01-S) and stop carriage 80/10 Servo (Art.-No. NC 03-S) can be used as a stop or pusher system

Program memory for up to 99 programs and 6,000 blocks

5.7" colour TFT touchscreen

Operation via keyboard or touch functionality

#### VARIOUS ACCESSORIES // FROM P.12

# ROLLER & MEASURING CONVEYORS

## EXACT WITH TigerStop

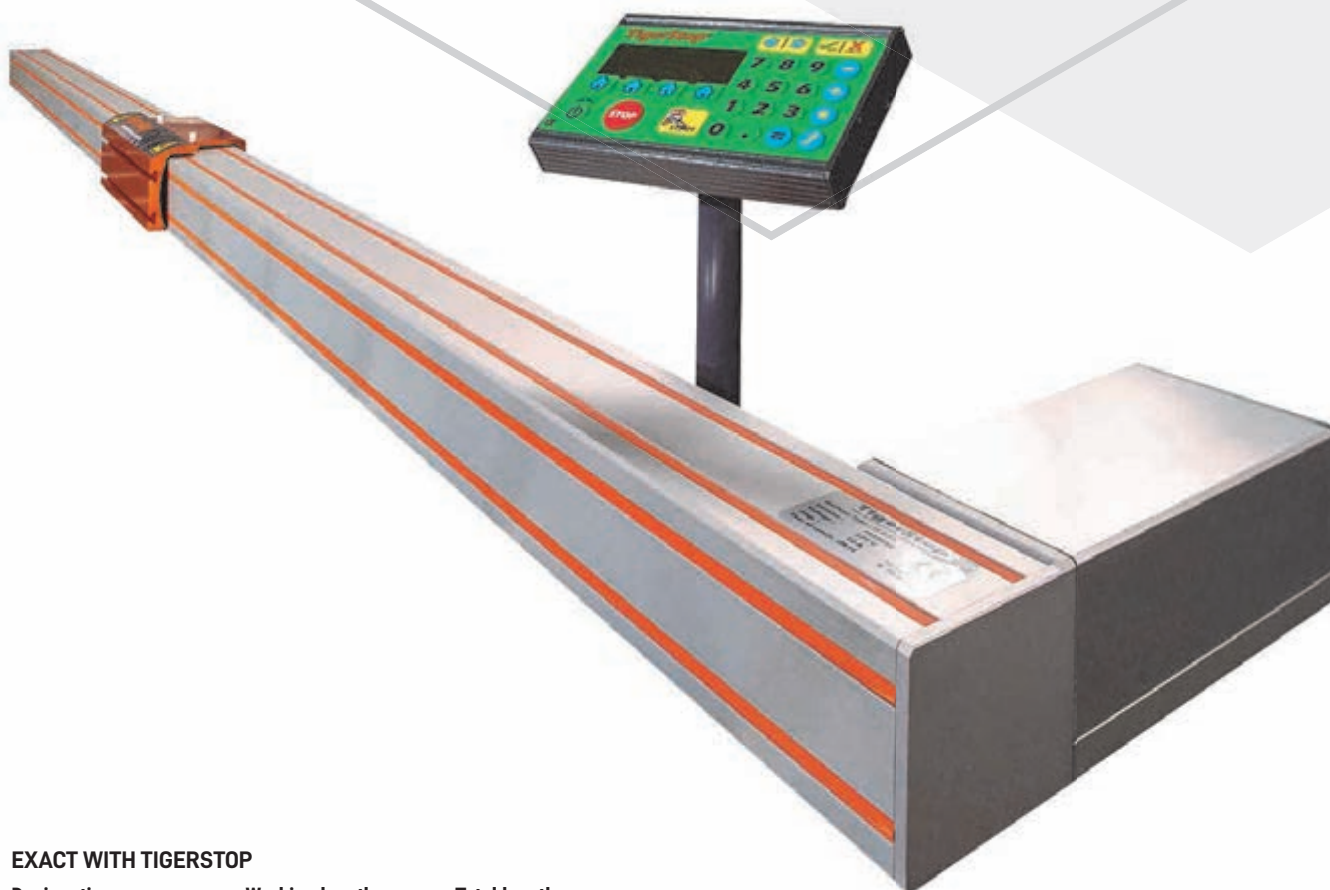
The automatic measuring system can be used at almost all workplaces where roller conveyors and processing machines are already present. After entering the desired dimensions, TigerStop moves the workpiece exactly to the correct position for machining. The data is stored and can be retrieved at any time with a repeat accuracy of  $\pm 0.1$  mm.

Cross section profile	100 x 100 mm
Voltage	220 V, 50 Hz
Power	0,6 kW Servo Drive
Feed rate	up to max. 60 m/min.
Repeat accuracy	0.1 mm
Push force	up to 100 kg
Display	4 lines LCD

### OPTIONS

Extended arm (1,000 mm), positioned to zero point, easy to adjust, suitable for stop and slide function, special lengths on request

Shock absorber (700/1,000 mm) especially suitable for heavy material; can be selected from three standard lengths for positioning to zero



### EXACT WITH TIGERSTOP

Designation	Working length	Total length
TigerStop 2	2,00 m	2,60 m
TigerStop 3	3,00 m	3,70 m
TigerStop 4	4,00 m	4,60 m
TigerStop 4.8	4,85 m	5,40 m
TigerStop 6.8	6,85 m	7,40 m
TigerStop 8.5	8,50 m	9,10 m

Special lengths available on request.

### ACCESSORIES :

- Mounting kit (2 mounting brackets) (ART.-NO.: 10502)
- 1 foot (ART.-NO.: 10503)

#### EXACT – TIGERSTOP CONTROL

Stop and slide function
Memory for 100 lists and measurements
Increment function
Adjustable speed, acceleration and dimension
Built-in calculator

#### ACCESSORIES :

- Control panel
- Fold-away stop
- Guide profile
- Holder for control panel
- Mounting screws and nuts

## EXACT WITH TigerStop

### ON A CROSSCUT SAW



## EXACT WITH TigerStop

### ON A PUNCHING MACHINE

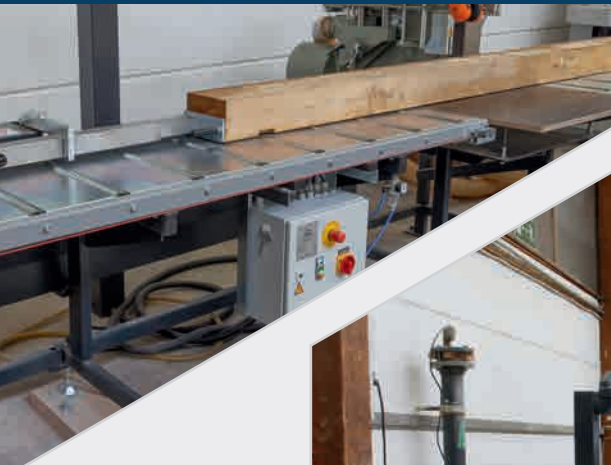


## EXACT WITH TigerSaw





# EXAMPLES OF USE







Roller and measuring conveyors from Beck Maschinenbau are highly versatile. We have illustrated some of our application examples for you on this double page. We would be happy to advise you in your individual case.

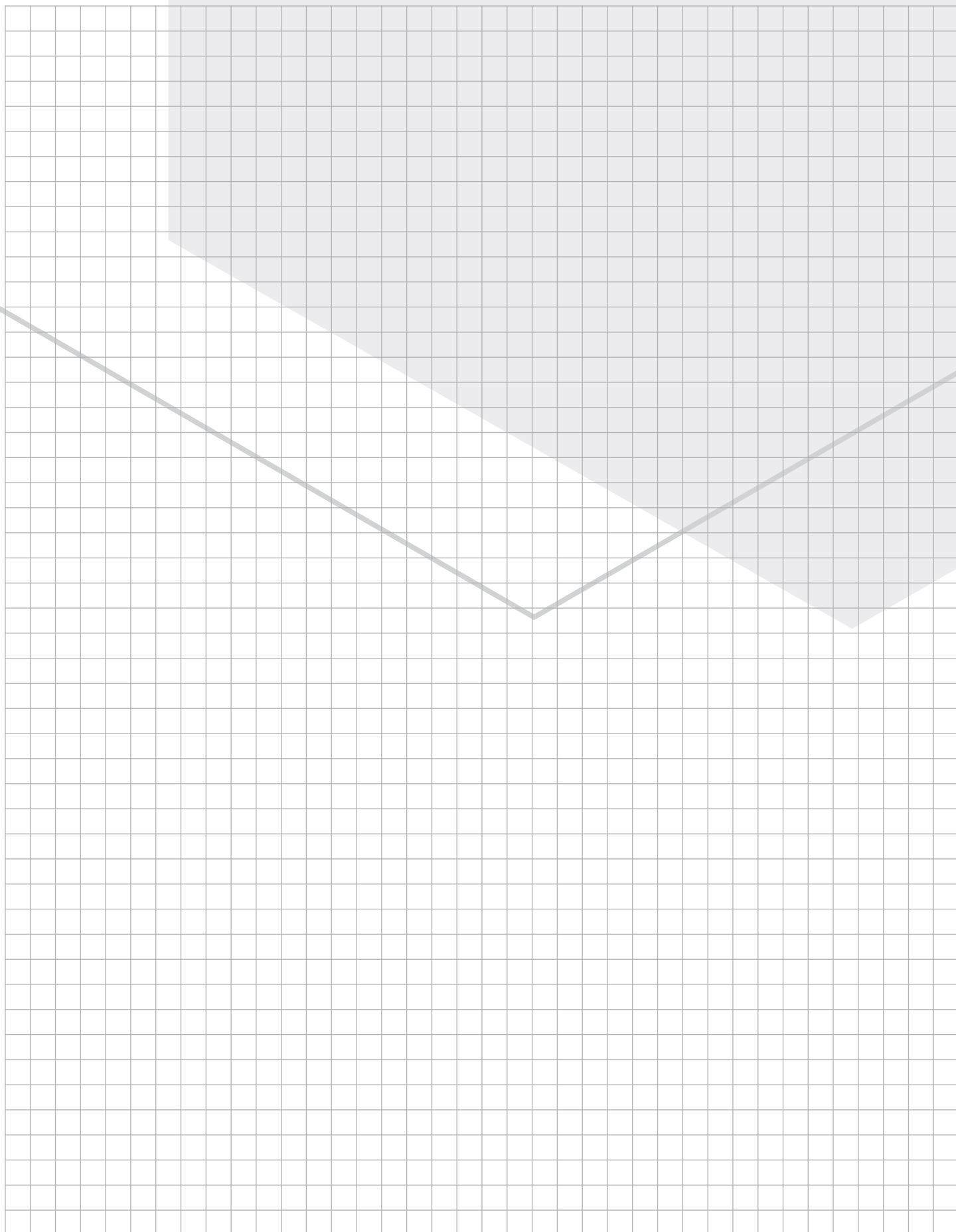


**CONTACT US WITHOUT OBLIGATION:**

phone: +49 (0)7576 962978-0

e-mail: [info@beck-maschinenbau.de](mailto:info@beck-maschinenbau.de)







FOLLOW US



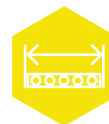
## SHOWROOM TEST, EXPERIENCE, FALL IN LOVE ...

Our showroom in Sigmaringen (Southern Germany) is a permanent product presentation where you can try out our products and machines. Just visit us!

### LEGEND



**LOAD CAPACITY**  
Stress limit



**ROLLER CON-  
VEYOR LENGTH**



**WORKING  
HEIGHT**  
Top edge of  
the rollers

**Reinhold Beck Maschinenbau GmbH**  
Im Grund 23 | 72505 Krauchenwies | GERMANY  
Phone +49 7576 962978-0  
info@beck-maschinenbau.de  
[www.beck-maschinenbau.de](http://www.beck-maschinenbau.de)

AVAILABLE ONLINE AT: [www.hokubema.com](http://www.hokubema.com)

**HOKUBEMA**  
Maschinenbau GmbH

**PANHANS**  
QUALITÄT SEIT 1918

**SIITEC**  
SINTERTECHNOLOGIE



MADE IN GERMANY