#ergohubtische

R. Beck Maschinenbau

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

www.beck-maschinenbau.de

MADE IN GERMANY

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

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State: 10|2021

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MADE IN GERMANY

OVERVIEW

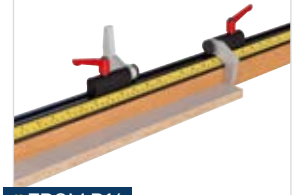


// FROM P.02

STANDARD SERIES

Robust, precise, versatile.

APPLICATION AREAS
// Mechanical engineering
// Metal construction
// Steel construction
// Woodworking
// Carpentry/wood construction
// Plastics processing

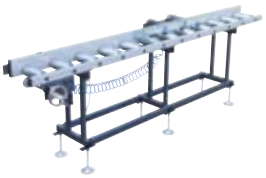


// FROM P.16

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

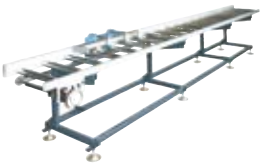


// FROM P.18

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

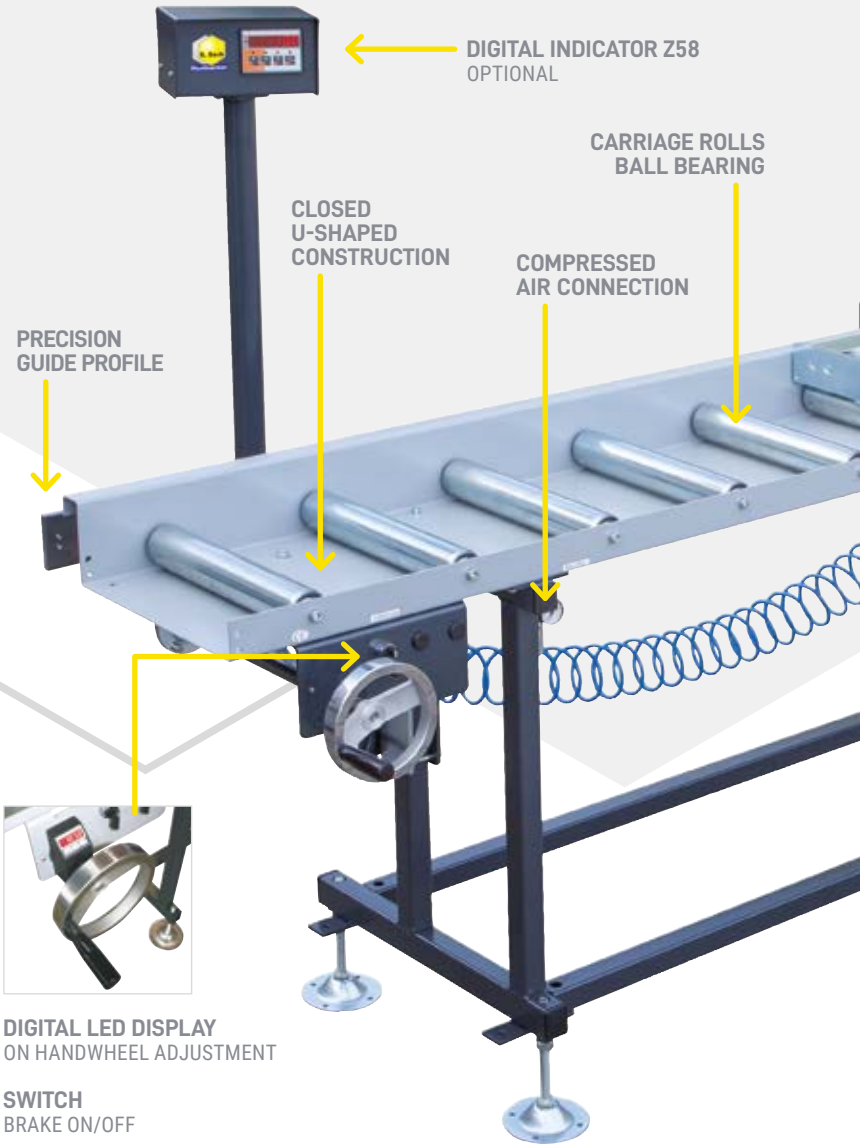
EXACT **STANDARD**

LOAD CAPACITY	ROLLER CONVEYOR LENGTH	WORKING HEIGHT
300 kg per m roller conveyor	1 – 10 m + special lengths	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-ø 60 x 2 mm, ball bearing mounted, axle-ø 15 mm, or optionally: made of plastic, roller-ø 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

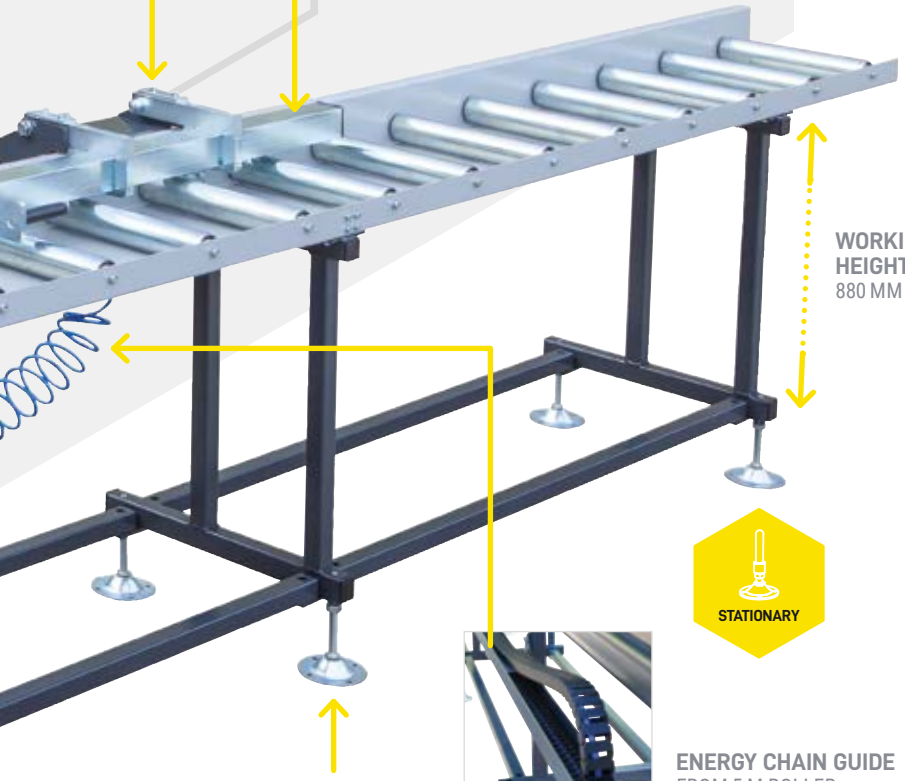


EXACT STANDARD B/KF

You can also find all products in our online shop at **www.hokubema.com**

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

STATIONARY

ENERGY CHAIN GUIDE
FROM 5 M ROLLER CONVEYOR LENGTH

LEVELLING FOOT
ADJUSTABLE ± 60 MM

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

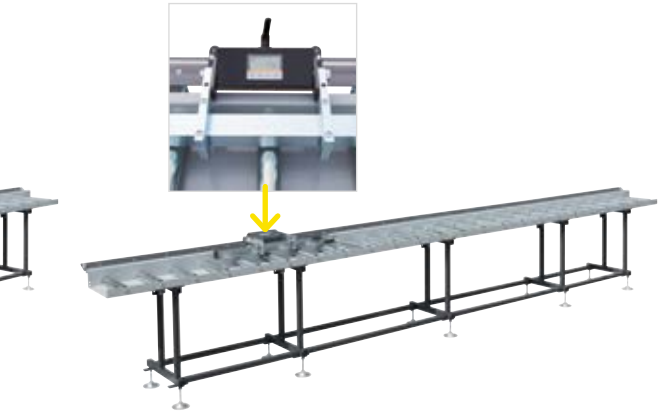
Manual measuring system with stable precision flat steel guide

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



EXACT STANDARD E/KF

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

VARIOUS ACCESSORIES // FROM P.12

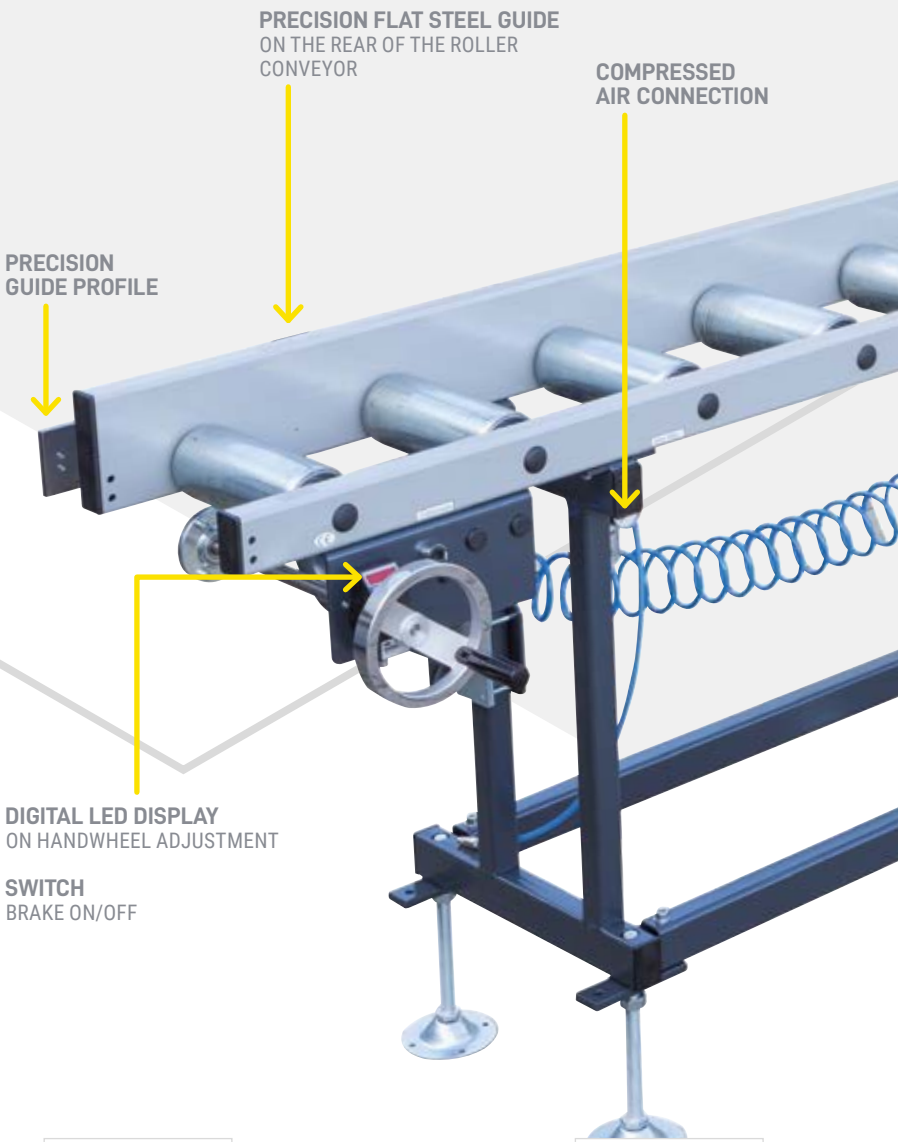
ROLLER & MEASURING CONVEYORS

EXACT **MES**

LOAD CAPACITY	OLLER CONVEYOR LENGTH	WORKING HEIGHT
450 kg per m roller conveyor	1 – 10 m + special lengths	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

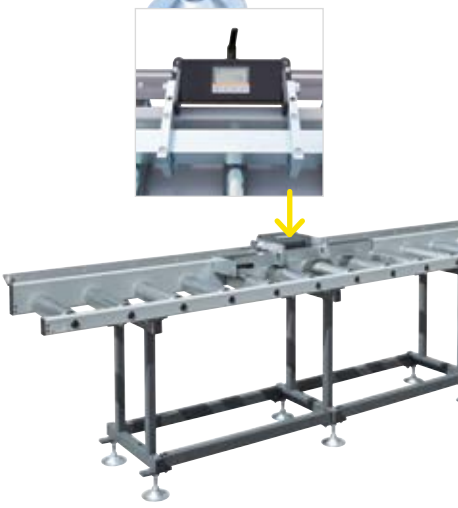




EXACT MES-C

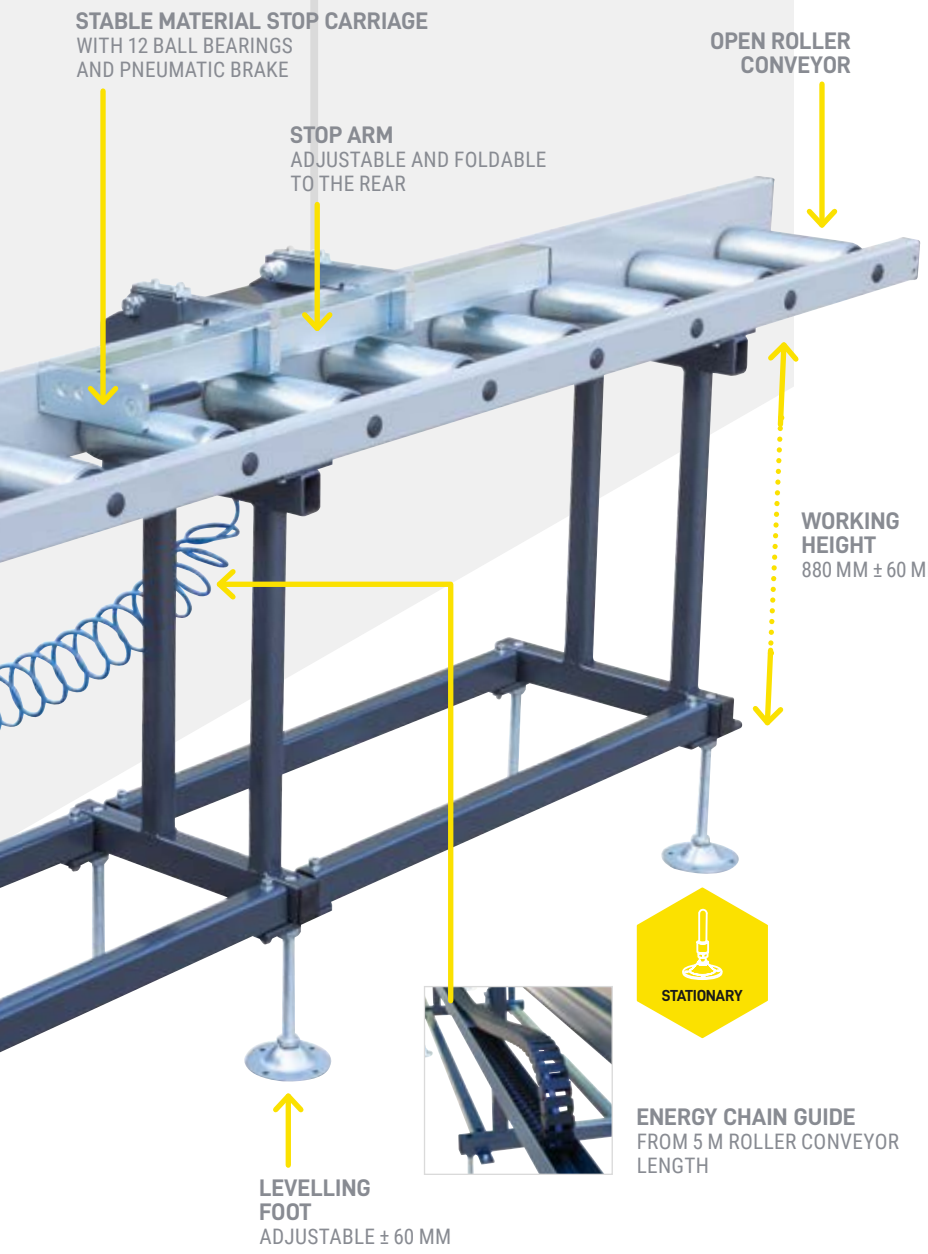


EXACT MES-B/KF



EXACT MES-E/KF

You can also find all products in our online shop at **www.hokubema.com**



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 minus450 mm**
- Energy chain guide for cable and hose guide of roller conveyors from 5 m length
- Measuring accuracy ± 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 ± 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 ± 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.: **SZ06**)
- 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 ± 0.2 mm/m
- Z58 + magnetic tape 2 m – 8 m (ART.-NO.: **SZ 10 – SZ 16**), measuring accuracy ± 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

All prices plus VAT and shipping costs.

ROLLER & MEASURING CONVEYORS

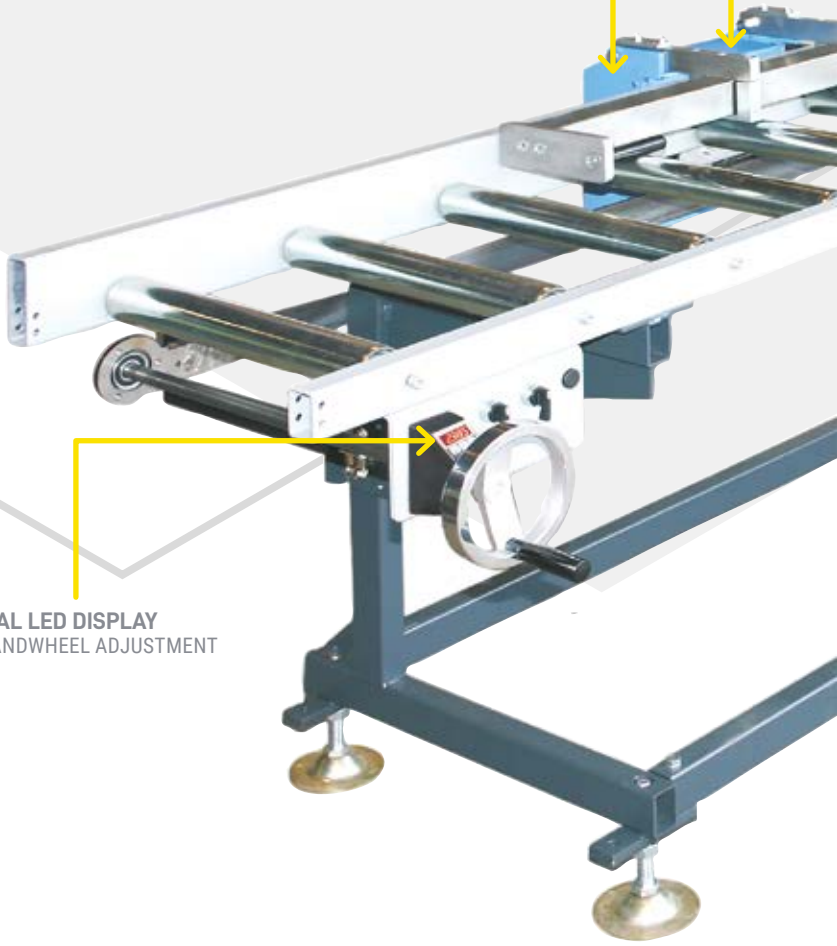
EXACT **ES**

LOAD CAPACITY	ROLLER TRACK LENGTH	WORKING HEIGHT
300 kg per m roller conveyor	1 – 10 m + special lengths	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

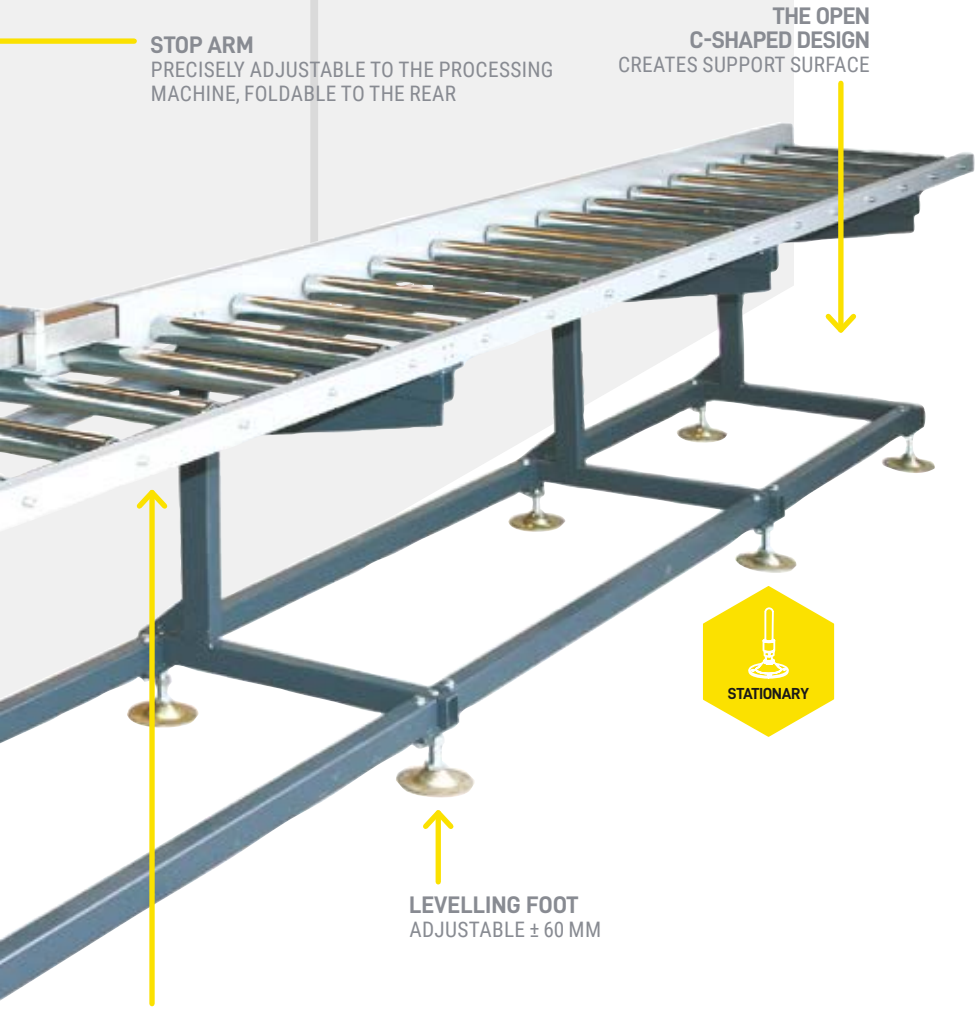


EXACT EXTRA STABLE – B/KF



EXACT EXTRA STABLE – C

You can also find all products in our online shop at **www.hokubema.com**



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 ± 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

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**)

VARIOUS ACCESSORIES // FROM P.12

All prices plus VAT and shipping costs.

ROLLER & MEASURING CONVEYORS

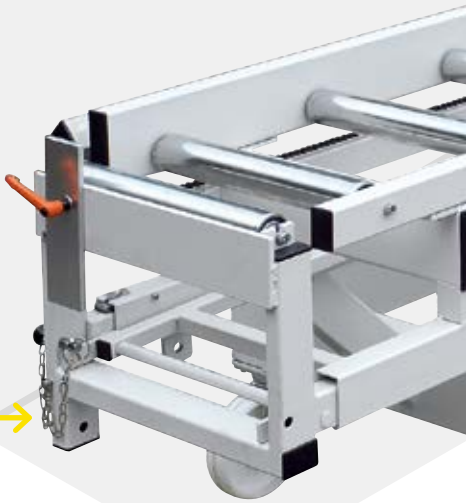
EXACT **ESF**

LOAD CAPACITY	ROLLER CONVEYOR LENGTH	WORKING HEIGHT
300 kg per m roller conveyor	1 – 10 m + special lengths	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)

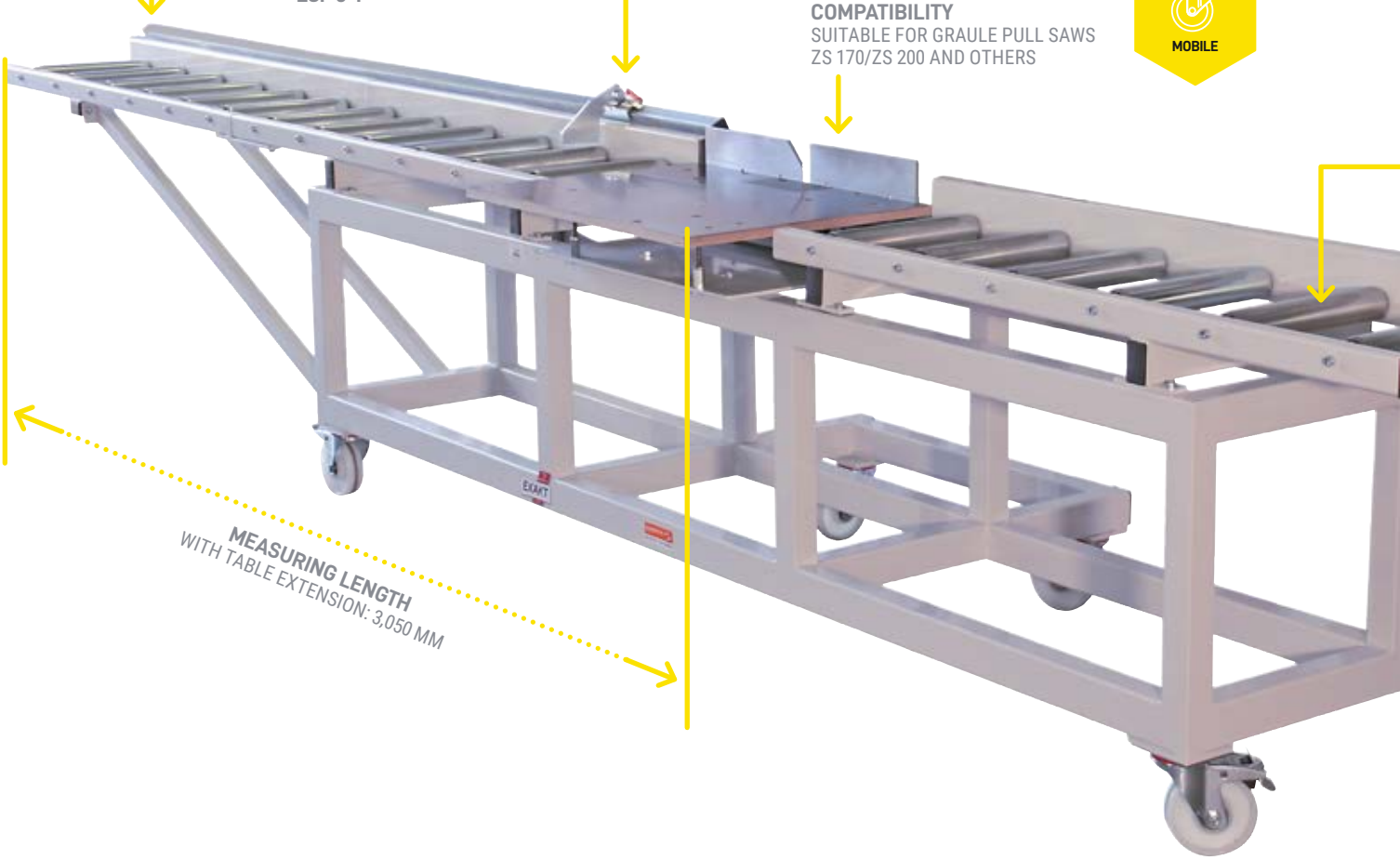


STOP SLIDE
MANUALLY ADJUSTABLE ANALOG MEASURING SYSTEM AND FOLDING STOP

TABLE EXTENSION ESF 3-1

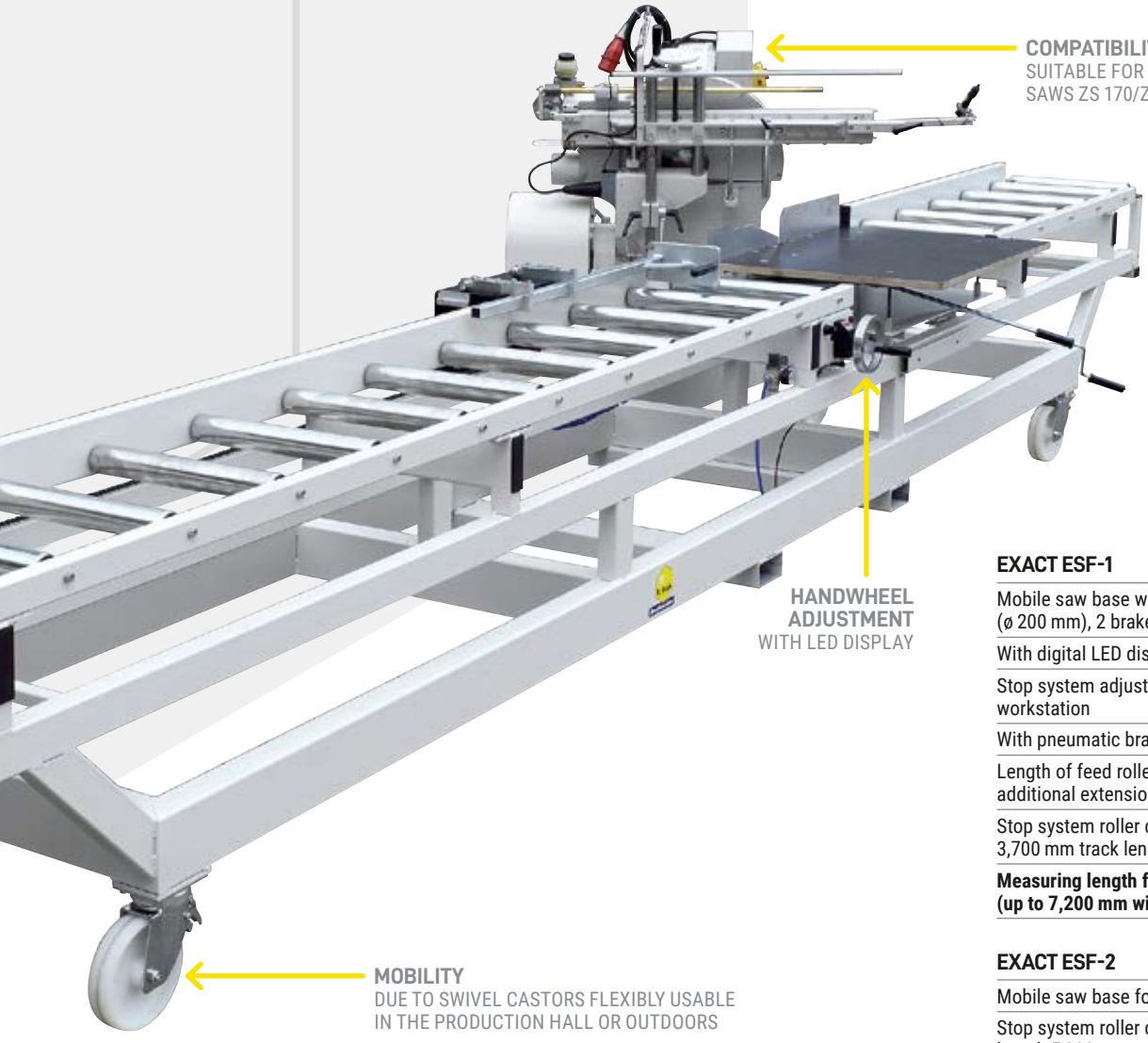
COMPATIBILITY
SUITABLE FOR GRAULE PULL SAWS ZS 170/ZS 200 AND OTHERS

MOBILE



MEASURING LENGTH
WITH TABLE EXTENSION: 3,050 MM

You can also find all products in our online shop at **www.hokubema.com**





EXACT ESF-1

Mobile saw base with 4 swivel castors (ø 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	ROLLER CONVEYOR LENGTH	WORKING HEIGHT
800 kg per m roller conveyor	2.000 – 12.000 mm	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.

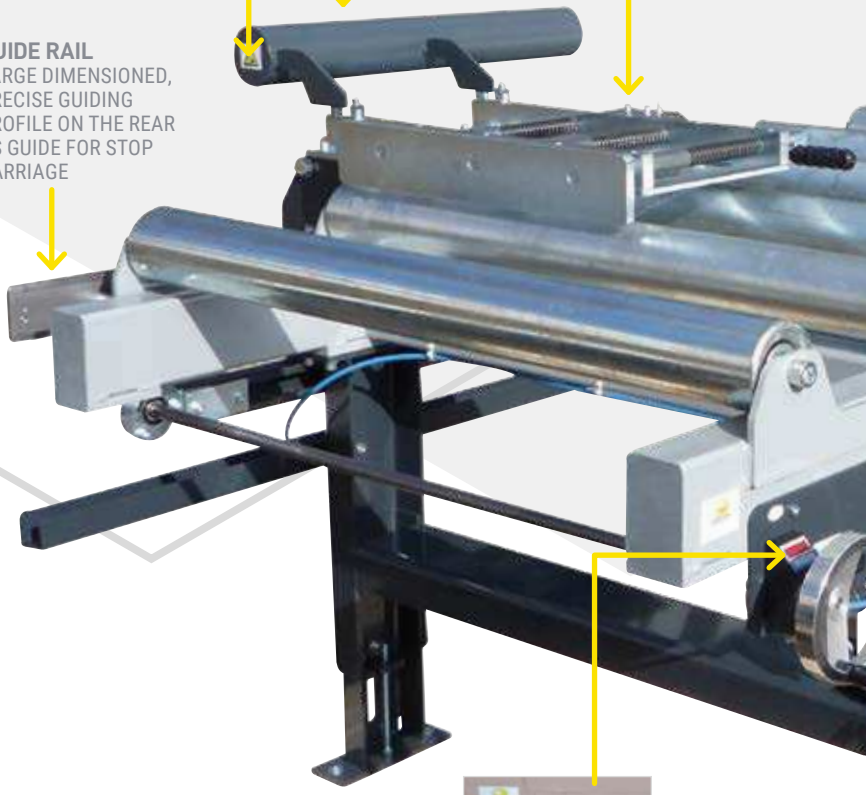
Support rollers	Roller-ø 108 x 3.25 mm Galvanised tubular steel, Axle-ø 30 mm, ball bearing mounted
Support roller pitch	333 mm
Usable support roller width	S: 600 mm W: 1.150 mm
All parts powder coated	Roller conveyor feet: Anthracite grey RAL 7016 Upper part: silver grey RAL 7042

MATERIAL STOP ARM
EASY TO FOLD BACK DUE TO BALANCE WEIGHT

MATERIAL STOP CARRIAGE
STABLE, ROLLER BEARING, POSITIONED BY HANDWHEEL AND ROBUST ROLLER CHAIN DRIVE, FIXED BY PNEUMATIC PARKING BRAKE

STOP ARM
WITH STOP PLATE, SPRING MOUNTED, HIGH LOAD CAPACITY

GUIDE RAIL
LARGE DIMENSIONED, PRECISE GUIDING PROFILE ON THE REAR AS GUIDE FOR STOP CARRIAGE





DIGITAL LED DISPLAY
ON HANDWHEEL ADJUSTMENT



EXACT HD-C – FEED ROLLER CONVEYOR



EXACT HD-E – STOP SYSTEM TRACK

You can also find all products in our online shop at **www.hokubema.com**



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**

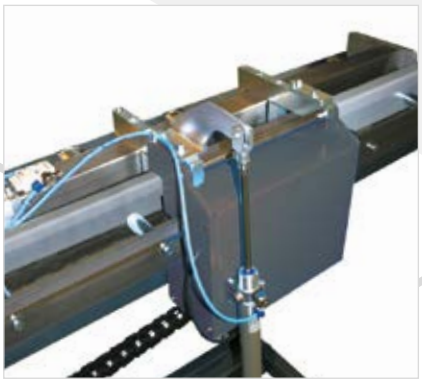


COVER PLATE

Between the support rollers, removable

Galvanised

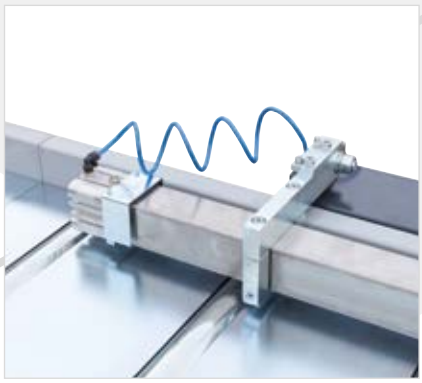
ART.-NO.: **SZ 06**



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

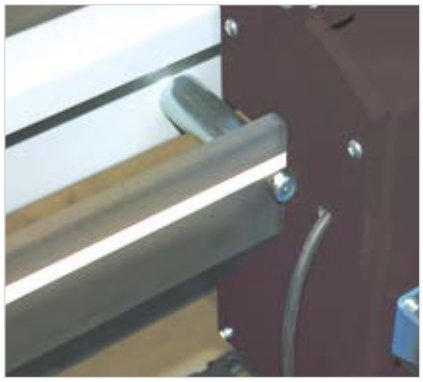
ART.-NO.: **SZ 07/1**



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**

You can also find all products in our online shop at **www.hokubema.com**



SPECIAL WORKING HEIGHT

Raised substructure

Deviating from standard construction height 880 ± 60 mm

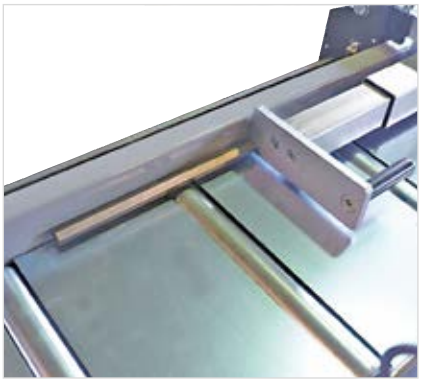
ART.-NO.: **SZ 27**



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**

ROLLER & MEASURING CONVEYORS

EXACT **LC**

LOAD CAPACITY	ROLLER CONVEYOR LENGTH	WORKING HEIGHT
100 kg per m roller conveyor	2 – 6 m + special lengths	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.

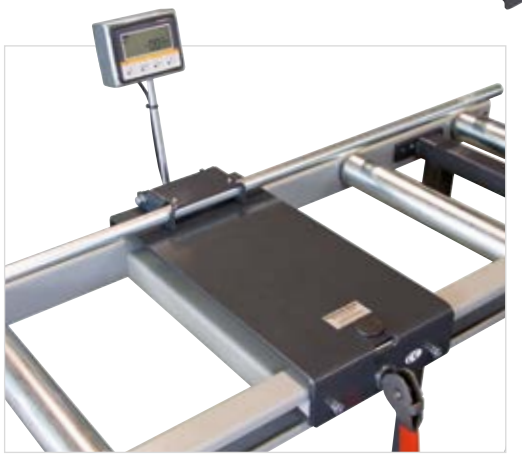
Support rollers	Galvanised tubular steel, ø 50 x 1.5 mm, axle-ø 8 mm optionally made of plastic
Support roller pitch	290 mm
Roller conveyor width	390 mm
Usable support roller width	300 mm
Max. measuring length	track length minus 250 mm
All parts powder coated	Roller conveyor feet: Anthracite grey RAL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



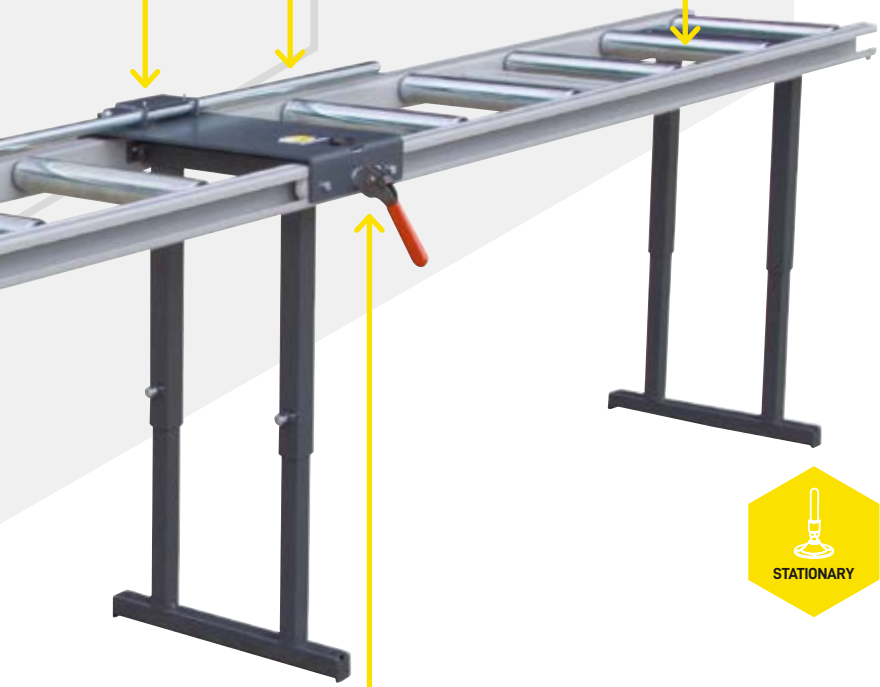
EXACT LC-E

You can also find all products in our online shop at **www.hokubema.com**

STOP CARRIAGE
WITH 4 ROLLER BEARINGS,
EASY TO MOVE MANUALLY

APPROACHING ARM
PRECISELY ADJUSTABLE TO THE PROCESSING MACHINE, FOLDABLE TO THE REAR

RAISED SUPPORT ROLLERS







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

MEASURING SYSTEM
MANUALLY WITH MM-SCALE AND MAGNIFYING GLASS

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 ± 0.20 mm
- The stop carriage can be fixed easily and accurately 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

EXACT-F

COMPLETE SET, ALSO AVAILABLE AS INDIVIDUAL ITEMS.

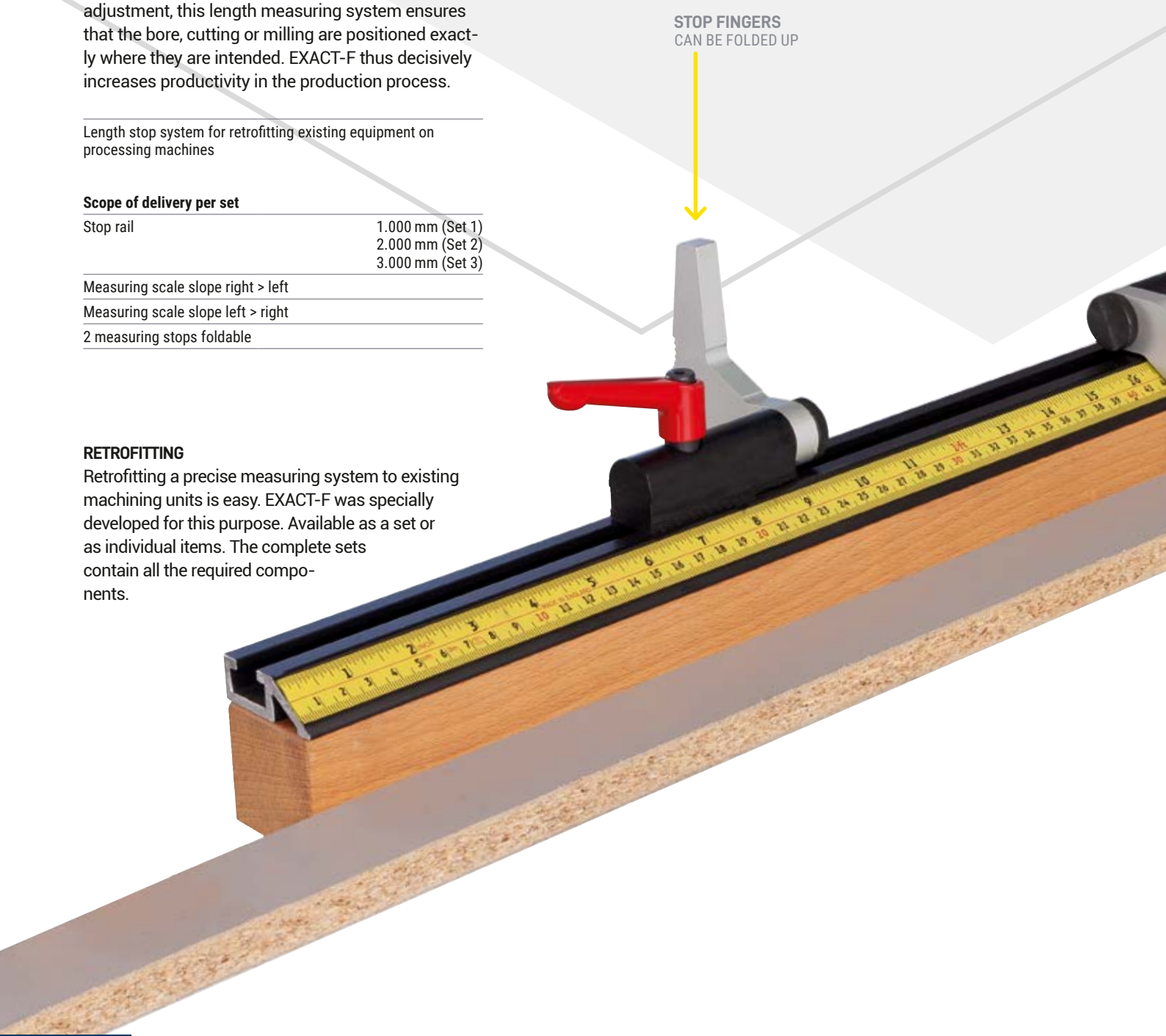
Wherever workpieces are to be precisely machined, the folding rule no longer has any place. It is too inaccurate, especially in the production of series parts where identical dimensions are important. EXACT-F is the modern and economical alternative. After adjustment, this length measuring system ensures 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

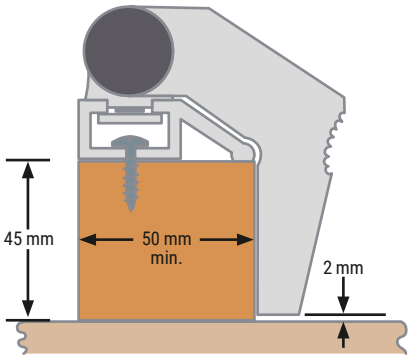
Scope of delivery per set	
Stop rail	1.000 mm (Set 1) 2.000 mm (Set 2) 3.000 mm (Set 3)
Measuring scale slope right > left	
Measuring scale slope left > right	
2 measuring stops foldable	

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.



RETROFITTABLE



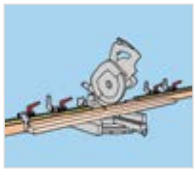
EXACT-F

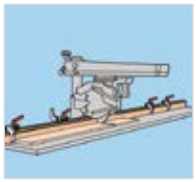
Manual length stop system for easy retrofitting
Can be easily screwed onto wooden or aluminium profile bar – approx. 50 x 45 mm
Elongated holes in the stop rail allow exact adjustment to the tool 0-point of the processing machine
Can be mounted on the left or right side of the processing machine
Long 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	



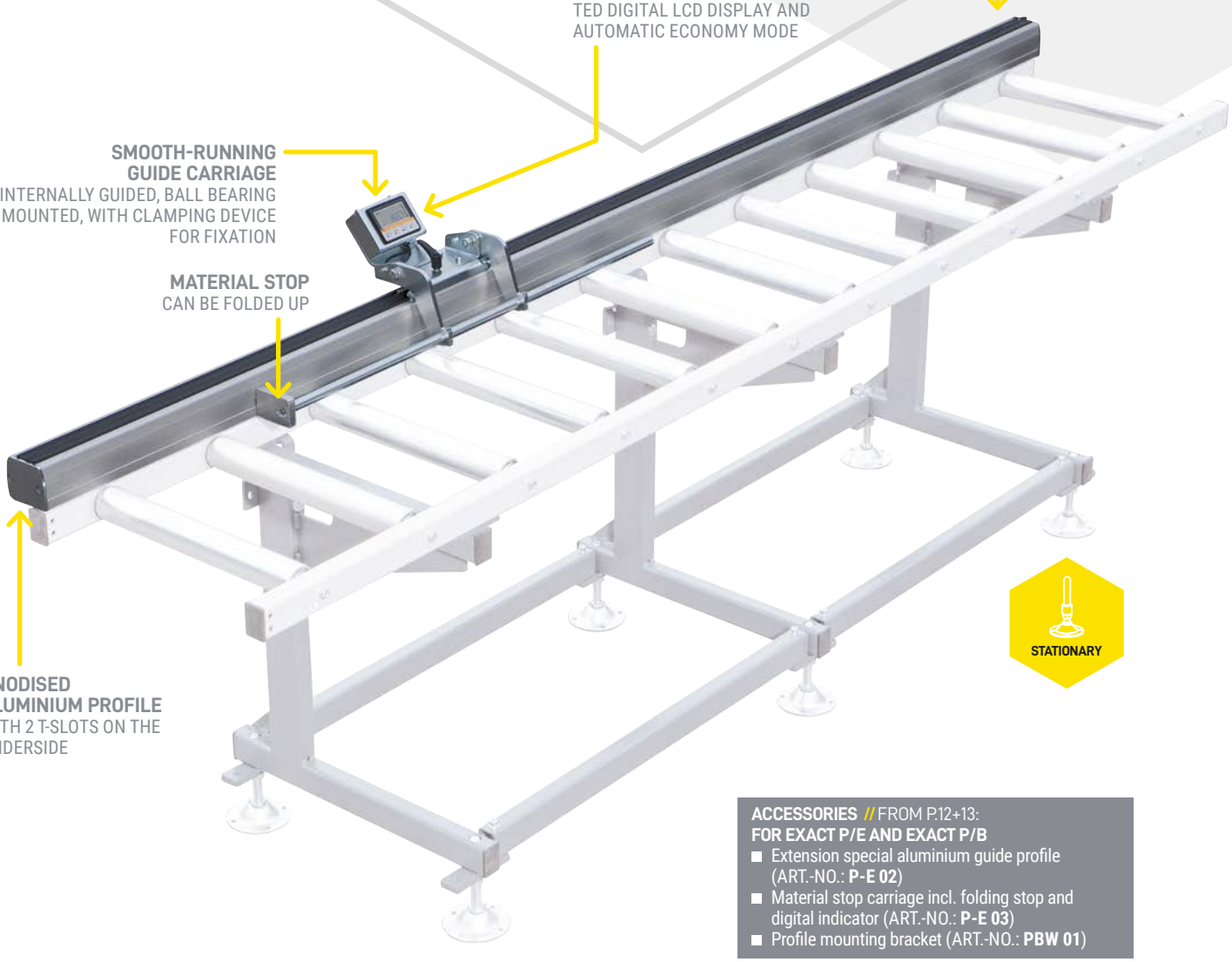
MODULAR SEGMENT SYSTEM
AVAILABLE IN ANY DESIRED LENGTH

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**)

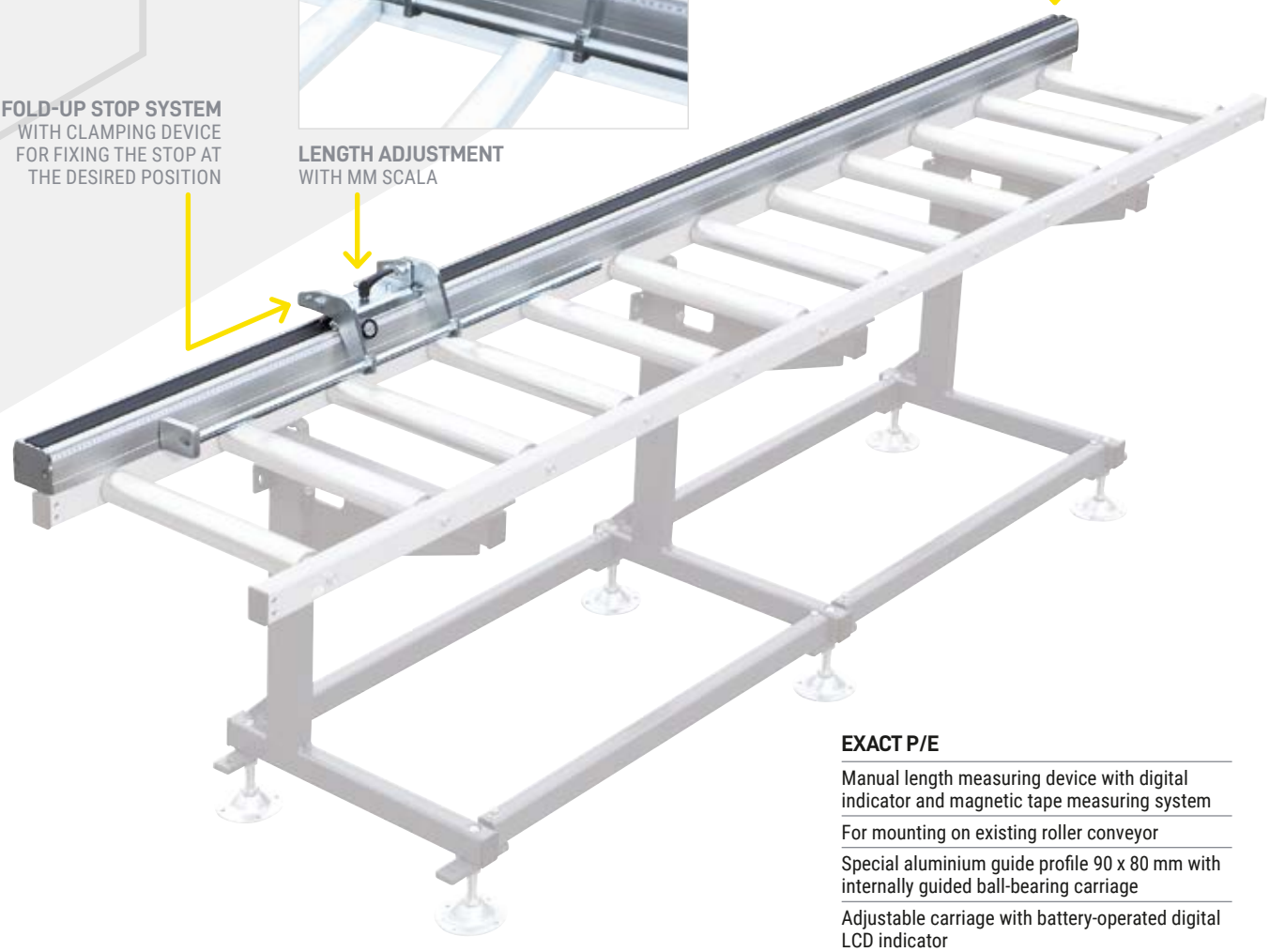
RETROFITTABLE

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



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

LENGTH ADJUSTMENT
WITH MM SCALA



STATIONARY

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 ± 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 ± 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

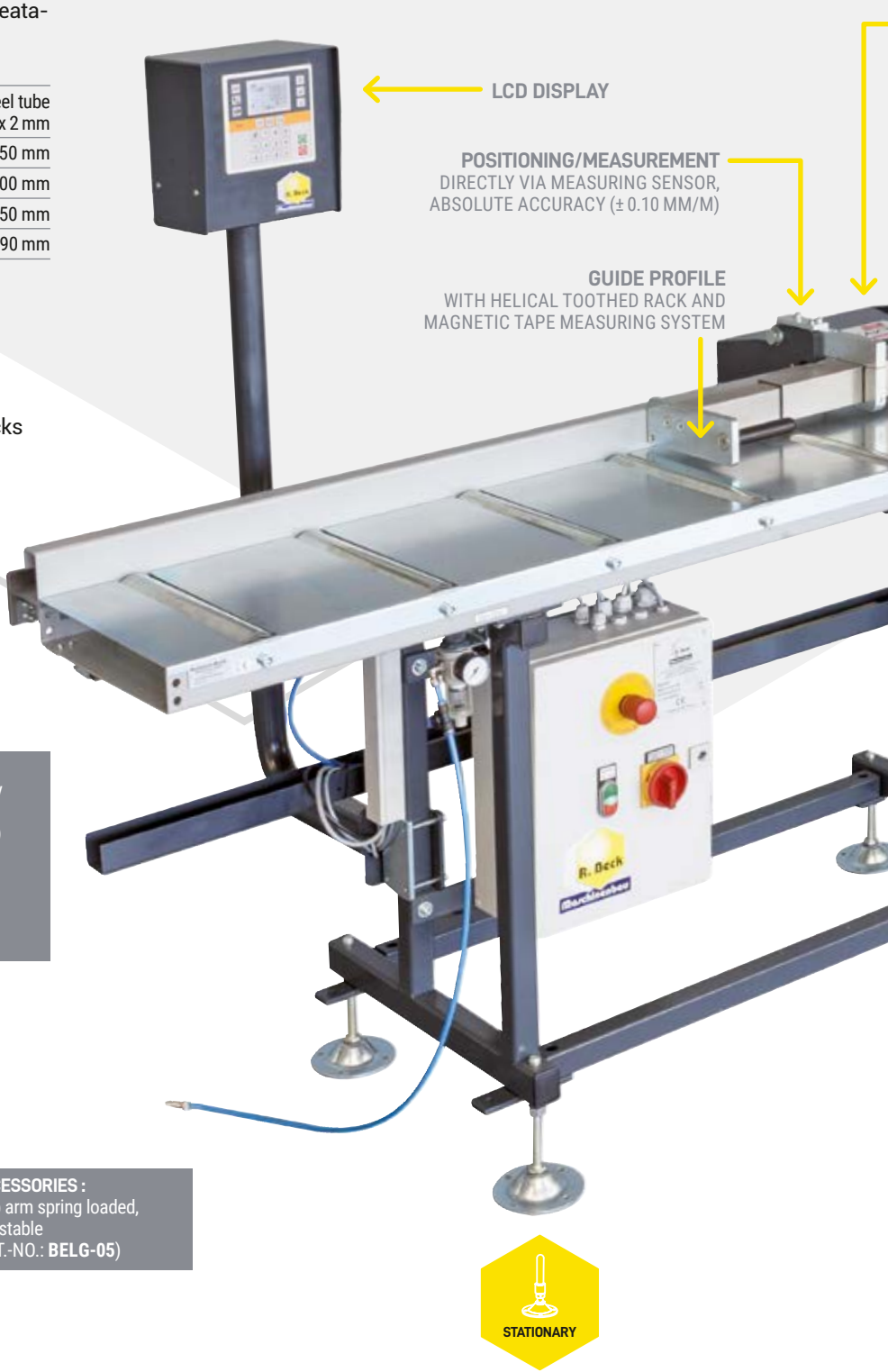
EXACT **ELG/DC**

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

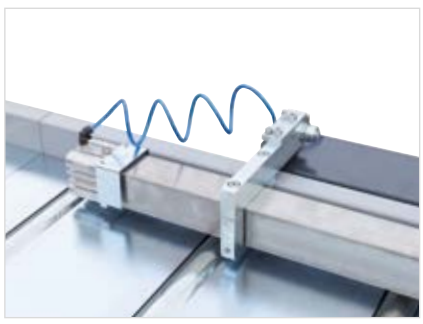
+ Manual or programme-controlled
+ Easy and fast input of set values and piece quantities
+ Program memory with up to 1,000 data blocks
+ Absolute and incremental positioning
+ Tool thickness calculation
+ Offset measurement functions
+ Reference function



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**)

You can also find all products in our online shop at **www.hokubema.com**

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



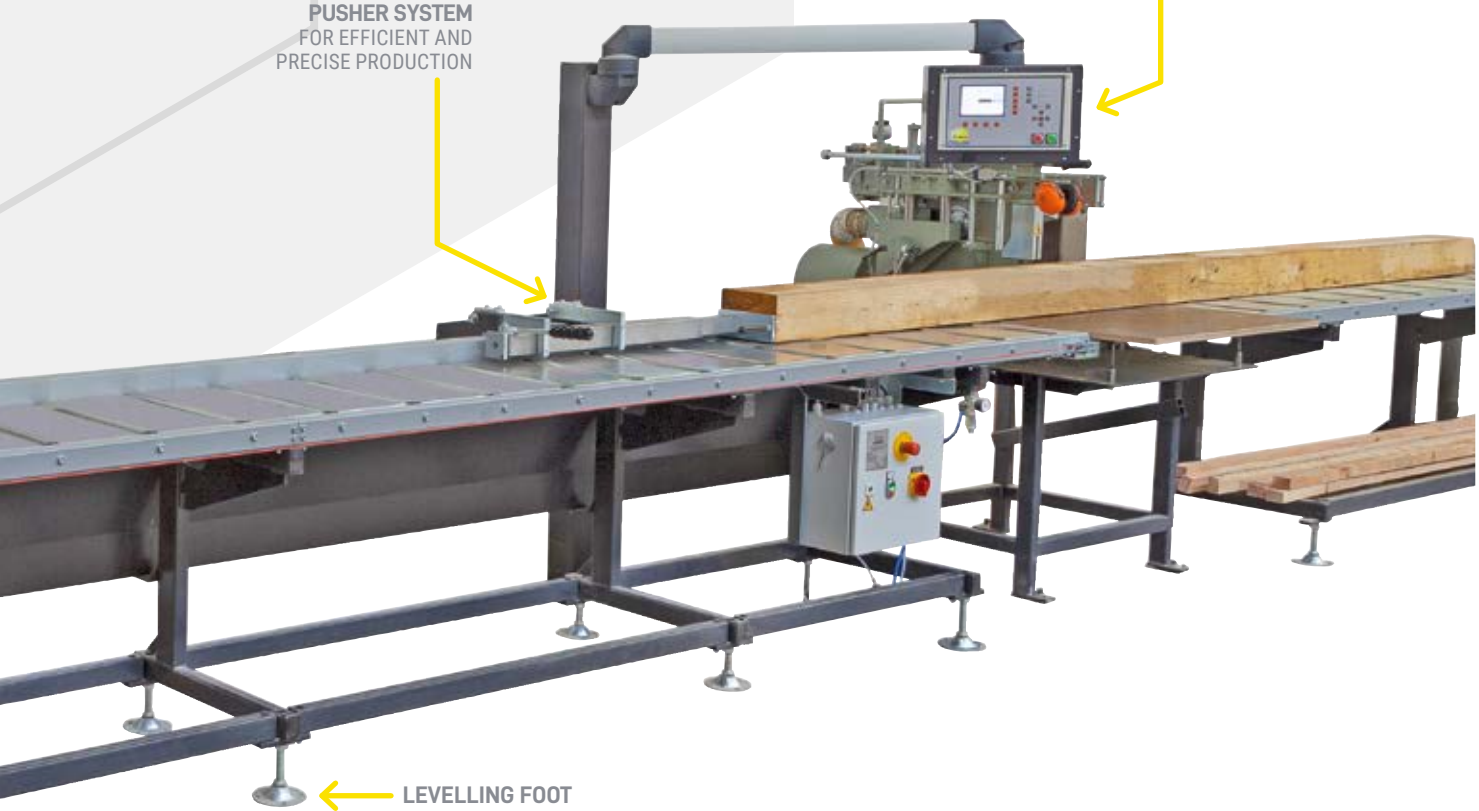
OPTIONALLY, THE CONTROL UNIT CAN ALSO BE COMBINED WITH A HAND SCANNER AND A ZEBRA BARCODE PRINTER.

You can also find all products in our online shop at **www.hokubema.com**



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 ± 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









All prices plus VAT and shipping costs.

NOTES

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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 CONVEYOR LENGTH

WORKING HEIGHT Top edge of the rollers

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