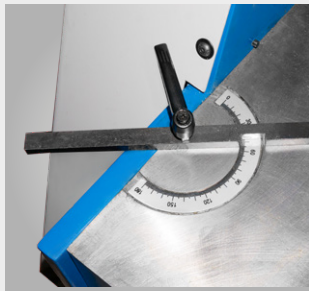


# Motorised sheet metal shears

## MTBS 1050-10 - Motorised sheet metal shears

- ▶ Stable and robust welded construction
- ▶ Suitable for cutting Metal and non-ferrous metals
- ▶ Premium blades
- ▶ 500 mm backstop
- ▶ Angle-adjustable side stop with degree scale
- ▶ Maximum safety thanks to hold-down device that also protects fingers



Angle-adjustable side stop with degree scale



MTBS 1050-10 with optional substructure



- Scope of delivery:**
- › Rear stop 0– 500mm
  - › Angle stop with degree scale
  - › Protective grille

| Model    | MTBS 1050-10 |
|----------|--------------|
| Art. no. | 3772915      |

| Technical data                            |                     |
|-------------------------------------------|---------------------|
| Working width                             | 1050 mm             |
| Cutting capacity (400 N/mm <sup>2</sup> ) | 1 mm                |
| Rear stop                                 | 500 mm              |
| stroke per minute                         | 55                  |
| Motor power                               | 0.75 kW             |
| Electrical connection                     | 400 V / ~50 Hz      |
| Dimensions (L x W x H) approx.            | 1312 x 970 x 570 mm |
| Weight approx.                            | 238 kg              |

| Accessories                            | Art. no. |
|----------------------------------------|----------|
| Replacement measuring set MTBS 1050-10 | 3772916  |
| Substructure MTBS 1050-10              | 3772917  |

## MTBS E - Motorised sheet metal shears

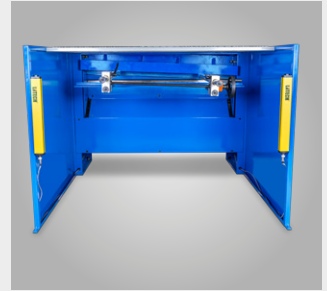
- ▶ Heavy, stress-free welded steel construction
- ▶ High-quality cutting blade
- ▶ Two long sheet support arms for large workpieces
- ▶ Manual back gauge 630 mm with millimetre-precise adjustment option
- ▶ Cutting line lighting and slotted holes in the upper cover plate for an optimum view of the cutting edge and for cutting to a tear
- ▶ Light barrier for the rear stop area
- ▶ The foot control leaves both hands free for material feeding
- ▶ Stroke counter
- ▶ Sheet ejection optionally to the rear or to the front (only 1255-30 E T)



MTBS 1255-30 E



Manual back gauge 630 mm with millimetre-precise adjustment option



Light barrier for the rear stop area

### Scope of delivery:

- › Sheet support arms
- › Side stop
- › Stroke counter
- › Manual rear stop
- › Foot control

**Neu**

| Spare blade set | Art. no. |
|-----------------|----------|
| MTBS 1255-30 E  | 3757910  |
| MTBS 1255-40 E  | 3757911  |
| MTBS 2055-30 E  | 3757912  |

| Special blade set for cutting stainless steel | Art. no. |
|-----------------------------------------------|----------|
| MTBS 1255-30 E                                | 3757920  |
| MTBS 1255-40 E                                | 3757921  |
| MTBS 2055-30 E                                | 3757922  |

| Model    | MTBS 1255-30 E | MTBS 1255-30 E T | MTBS 1255-40 E | MTBS 2055-30 E |
|----------|----------------|------------------|----------------|----------------|
| Art. no. | 3757013        | 3757213          | 3757014        | 3757023        |

| Technical data                                          |                       |                       |                       |                       |
|---------------------------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Working width                                           | 1250 mm               | 1250 mm               | 1250 mm               | 2050 mm               |
| Cutting capacity (400 N/mm <sup>2</sup> )               | 3 mm                  | 3 mm                  | 4 mm                  | 3 mm                  |
| Cutting capacity (700N/mm <sup>2</sup> ) <sup>(1)</sup> | 1.5 mm                | 1.5 mm                | 2 mm                  | 1.5 mm                |
| Cutting angle                                           | 2°                    | 2°                    | 2.4°                  | 2°                    |
| Sheet support arms amount                               | 2 pcs.                | 2 pcs.                | 2 pcs.                | 3 pcs.                |
| Rear stop adjustment range                              | 630 mm                | 630 mm                | 630 mm                | 630 mm                |
| Stroke per minute                                       | 30                    | 28                    | 30                    | 30                    |
| Motor power                                             | 3 kW                  | 3 kW                  | 4 kW                  | 4 kW                  |
| Electrical connection                                   | 400 V / ~50 Hz        | 400 V / ~50 Hz        | 400 V / ~50 Hz        | 400 V / ~50 Hz        |
| Dimensions (L x W x H) approx.                          | 1682 x 1477 x 1100 mm | 1700 x 2140 x 1100 mm | 1712 x 1605 x 1190 mm | 2495 x 1610 x 1190 mm |
| Weight approx.                                          | 850 kg                | 980 kg                | 1185 kg               | 1520 kg               |

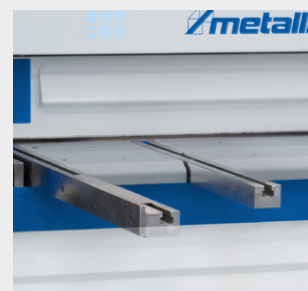
Subject to technical modifications and visual changes.

(1) Optional blade set required

# Motorised sheet metal shears

## MTBS 1350-30 M - Motorised sheet metal shears, heavy, robust welded construction with manual backstop

- ▶ Slider-guided upper beam with adjustable flat guides
- ▶ Manual cutting gap adjustment at the front of the machine
- ▶ Manual back gauge with 750 mm travel range
- ▶ LED cutting line lighting and slotted holes in the top cover for an optimum view of the cutting edge for cutting on a tear
- ▶ Solid 90° side stop with 1000 mm length, T-slot, tilting cam and scale
- ▶ Two solid sheet metal support arms with T-slots and tilting cams
- ▶ Stainless steel table top
- ▶ High-quality, rotating blades suitable for cutting stainless steel
- ▶ Upper blade with two cutting edges and lower blade with four cutting edges
- ▶ Knives can be precisely adjusted across the entire working width using tension and pressure screws
- ▶ Heavy-duty hold-down beam with protective rubber inserts
- ▶ Particularly small offcuts, as the hold-down bar also serves as an intrusion guard
- ▶ Rear area secured by light curtain
- ▶ Operation via mobile foot pedal console with emergency stop
- ▶ Manual cutting gap adjustment
- ▶ Manual back gauge with 750 mm travel range



Work table with solid support arms



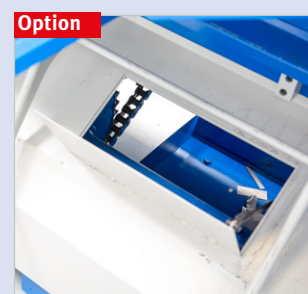
Clear control



LED cut line lighting and viewing slits

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Small parts flap for front ejection (item no.: 3887200)

| Model                                     |      | MTBS 1350-30 M     |
|-------------------------------------------|------|--------------------|
| Art. no.                                  |      | 3815512            |
| <b>Technical data</b>                     |      |                    |
| Working width                             | mm   | 1350               |
| Cutting capacity (400 N/mm <sup>2</sup> ) | mm   | 3                  |
| Cutting capacity (700 N/mm <sup>2</sup> ) | mm   | 1.5                |
| Cuts per minute                           |      | 40                 |
| Cutting angle                             | °    | 2.2                |
| Rear stop adjustment range up to          | mm   | 750                |
| Drive motor power                         | kW   | 3                  |
| Electrical connection                     | V/Hz | 400 / ~50          |
| Dimensions (L x W x H) approx.            | mm   | 1920 x 1920 x 1110 |
| Weight approx.                            | kg   | 1150               |

| Options (only possible ex works)                                           | Art. no. |
|----------------------------------------------------------------------------|----------|
| Small parts flap for ejection to the front with drawer (max. 300 x 300 mm) | 3887200  |
| Pneumatic thin sheet holding device                                        | 3887201  |
| Centralised lubrication via hand pump                                      | 3887210  |

| Accessories                  | Art. no. |
|------------------------------|----------|
| Adjustable angle stop 0-180° | 3887220  |
| Spare blade set              | 3887240  |

## MTBS / MTBS F - Motorised sheet metal shears, heavy, robust welded construction with manual backstop

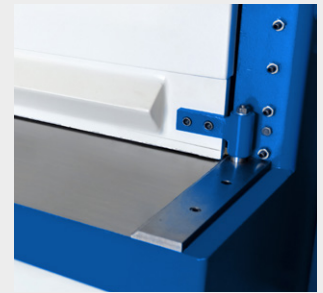
- ▶ Slider-guided upper beam with adjustable flat guides
- ▶ Manual backstop with 550 mm travel range
- ▶ LED cutting line lighting and slotted holes in the top cover for an optimum view of the cutting edge for cutting on a tear
- ▶ Cut line lighting and viewing slits
- ▶ Two solid sheet metal support arms with T-slots and tilting cams
- ▶ Side stop 90°, 1000 mm
- ▶ High-quality, rotating blades suitable for cutting stainless steel
- ▶ Knives can be precisely adjusted across the entire working width using tension and pressure screws
- ▶ Heavy-duty hold-down bar with material-friendly rubber inserts
- ▶ Particularly small offcuts, as the hold-down bar also serves as an intrusion guard
- ▶ Rear area secured by light barrier
- ▶ Operation via mobile foot pedal console with emergency stop

### MTBS 2103 F / MTBS 3102 F

- ▶ Adjustment of the backstop via handwheel with counter
- ▶ Machine table with 10 mm graduation
- ▶ Extendable front support



**MTBS 2103 F**  
with extendable front support and front operation of the backstop



Heavy-duty hold-down bar with material-friendly rubber inserts N



Rear area secured by light barrier



**MTBS 2103 F / MTBS 3102 F**  
Operation of the backstop from the front of the machine via handwheel and counter

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| Equipment options (only possible ex works) | Art. no. |
|--------------------------------------------|----------|
| Pneumatic thin sheet holding device        | 3887201  |
| Centralised lubrication via hand pump      | 3887210  |

| Spare blade set | Art. no. |
|-----------------|----------|
| MTBS 2103       | 3887250  |
| MTBS 3102       | 3887251  |

| Model                                     |      | MTBS 2103          | MTBS 2103 F        | MTBS 3102          | MTBS 3102 F        |
|-------------------------------------------|------|--------------------|--------------------|--------------------|--------------------|
| Art. no.                                  |      | 3815420            | 3815421            | 3815430            | 3815431            |
| <b>Technical data</b>                     |      |                    |                    |                    |                    |
| Working width                             | mm   | 2040               | 2040               | 3060               | 3060               |
| Cutting capacity (400 N/mm <sup>2</sup> ) | mm   | 3                  | 3                  | 2                  | 2                  |
| Cutting capacity (700 N/mm <sup>2</sup> ) | mm   | 1.5                | 1.5                | 1.25               | 1.25               |
| Cuts per minute                           |      | 34                 | 34                 | 34                 | 34                 |
| Cutting angle                             | °    | 2.4                | 2.4                | 1.6                | 1.6                |
| Rear stop adjustment range up to          | mm   | 550                | 550                | 550                | 550                |
| Air consumption per cycle                 | l    | 4                  | 4                  | 4                  | 4                  |
| Input power                               | kW   | 3                  | 3                  | 3                  | 3                  |
| Electrical connection                     | V/Hz | 400 / ~50          | 400 / ~50          | 400 / ~50          | 400 / ~50          |
| Dimensions (L x W x H) approx.            | mm   | 2620 x 1800 x 1370 | 2620 x 1800 x 1500 | 3650 x 2300 x 1400 | 3650 x 2300 x 1400 |
| Weight approx.                            | kg   | 1300               | 1300               | 1820               | 1840               |

# Motorised sheet metal shears

## MTBS B - Motorised sheet metal shears with NC back stop, sheet ejection on both sides and pneumatic sheet support

- ▶ Heavy, robust welded construction
- ▶ Stainless steel table top
- ▶ Slider-guided upper beam with adjustable flat guides
- ▶ Manual cutting gap adjustment at the front of the machine
- ▶ LED cutting line lighting and slotted holes in the top cover for an optimum view of the cutting edge for cutting on a tear
- ▶ Transfer balls in the support table for convenient material handling
- ▶ Solid 90° side stop with 1000 mm length, T-slot, tilting cam and scale
- ▶ Two solid sheet metal support arms with T-slots and tilting cams
- ▶ Motorised, NC-controlled rear stop with 750 mm travel range
- ▶ Rear stop drive with frequency converter, motor with brake and ball screws
- ▶ High-quality, rotating knives suitable for cutting stainless steel
- ▶ Upper blade with two cutting edges and lower blade with four cutting edges
- ▶ Knives can be precisely adjusted across the entire working width using tension and pressure screws
- ▶ Heavy-duty hold-down bar with material-friendly rubber inserts
- ▶ Particularly small offcuts, as the hold-down bar also serves as an intervention guard
- ▶ Rear area protected by light barrier
- ▶ Operation via mobile foot pedal console with emergency stop

**MTBS 2100-40 B / MTBS 2550-40 B / MTBS 3130-30 B**

- ▶ Star-delta start-up



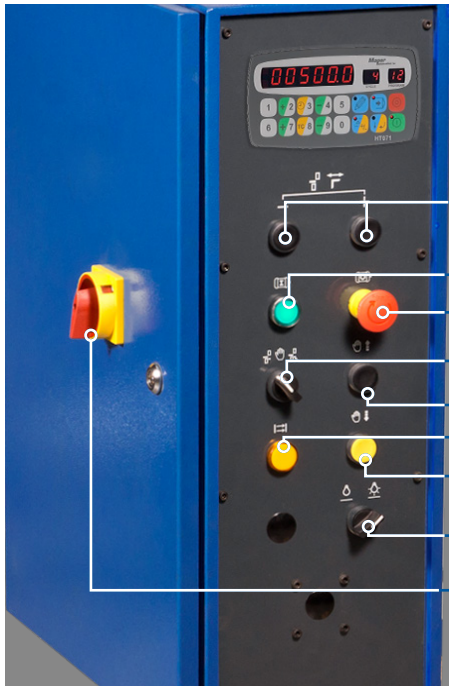
MTBS 2550-40 B

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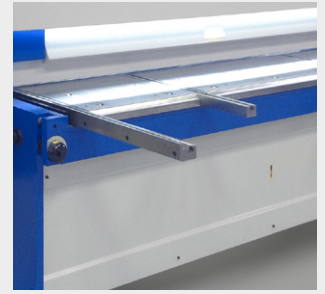
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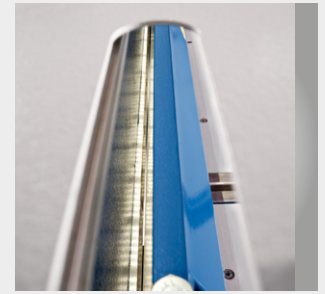
| Technical data                            | MTBS 1350-30 B        | MTBS 1540-40 B        | MTBS 2100-40 B        | MTBS 2550-40 B        | MTBS 3130-30 B        |
|-------------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Art. no.                                  | 3815513               | 3815515               | 3815520               | 3815525               | 3815530               |
| Working width                             | 1350 mm               | 1540 mm               | 2050 mm               | 2550 mm               | 3050 mm               |
| Cutting capacity (400 N/mm <sup>2</sup> ) | 3 mm                  | 4 mm                  | 4 mm                  | 4 mm                  | 3 mm                  |
| Cutting capacity (700 N/mm <sup>2</sup> ) | 1.5 mm                | 2.5 mm                | 2.5 mm                | 2.5 mm                | 1.5 mm                |
| Cuts per min.                             | 40                    | 40                    | 38                    | 38                    | 38                    |
| Cutting angle                             | 2.2°                  | 2.0°                  | 1.8°                  | 1.8°                  | 1.5°                  |
| Rear stop adjustment range up to          | 750 mm                | 750 mm                | 750 mm                | 750 mm                | 750 mm                |
| Motor power                               | 3 kW                  | 5.5 kW                | 7.5 kW                | 7.5 kW                | 7.5 kW                |
| Air consumption per cycle                 | 4 l                   | 4 l                   | 4 l                   | 4 l                   | 4 l                   |
| Electrical connection                     | 400 V / ~50 Hz        | 400 V / ~50 Hz        | 400 V / ~50 Hz        | 400 V / ~50 Hz        | 400 V / ~50 Hz        |
| Dimensions (L x W x H) approx.            | 1920 x 1920 x 1110 mm | 2170 x 2160 x 1280 mm | 2730 x 2160 x 1280 mm | 3170 x 2160 x 1280 mm | 3760 x 2160 x 1280 mm |
| Weight approx.                            | 1150 kg               | 2200 kg               | 2600 kg               | 3000 kg               | 3600 kg               |



- NC control of the backstop
- Electric adjustment of the backstop
- Motor on
- EMERGENCY-STOP-push - button
- Selector switch for set-up or normal operation
- Set-up mode Cutter bar up
- Indicator light for light barrier
- Set-up mode Cutter bar down
- Work light On/Off
- Main switch



Work table with solid support arms

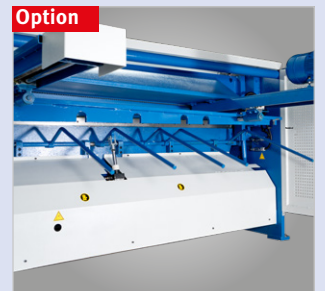


LED cut line lighting and viewing slits



MTBS 2550-40 B

| Equipment options (only possible ex works)                                 | Art. no. |
|----------------------------------------------------------------------------|----------|
| Small parts flap for ejection to the front with drawer (max. 300 x 300 mm) | 3887200  |
| Pneumatic thin sheet holding device                                        | 3887201  |
| Centralised lubrication via hand pump                                      | 3887210  |
| Extension of motorised rear stop from 750 mm to 1000 mm                    | 3887211  |
| Accessories                                                                | Art. no. |
| Adjustable angle stop 0-180°                                               | 3887220  |
| Spare blade set                                                            | Art. no. |
| for MTBS 1350-30 B                                                         | 3887240  |
| for MTBS 1540-40 B                                                         | 3887241  |
| for MTBS 2100-40 B                                                         | 3887242  |
| for MTBS 2550-40 B                                                         | 3887243  |
| for MTBS 3130-30 B                                                         | 3887244  |



Pneumatic thin sheet holding device (item no. 3887201)



Small parts switch



Drawer for small parts (Art. no. 3887200)

# Motorised sheet metal shears

## MTBS T - Motorised sheet metal shears, heavy, robust welded construction with NC backstop

- ▶ Pneumatic sheet support, with toggle switch to select whether sheet ejection should be to the front or rear
- ▶ Rear stop guided on round shafts 750 mm driven via ball screws
- ▶ Stainless steel table supports with transfer balls for convenient material handling
- ▶ Positioning control of the back gauge Maper HT071 with digital dimension display
- ▶ Heavy and robust steel design in welded construction
- ▶ Constant, low cutting angle for optimum cutting results
- ▶ Side stop 1000 mm with scale and T-slot
- ▶ 2 material support arms 500 mm with T-slot
- ▶ Manual cutting gap adjustment at the front of the machine
- ▶ Particularly small offcuts, as the hold-down bar also serves as an intervention guard
- ▶ Upper blade with two cutting edges and lower blade with four cutting edges
- ▶ Knives can be precisely adjusted across

the entire working width using tension and pressure screws

- ▶ High-quality, rotatable blades suitable for cutting stainless steel
- ▶ LED cutting line lighting and slotted holes in the top cover for an optimum view of the cutting edge for cutting on a tear
- ▶ Mobile foot pedal with emergency stop switch

- ▶ All moving parts mounted on low-maintenance bearings
- ▶ Motorised, NC-controlled rear stop with 750 mm travel range
- ▶ Electrics from "OMRON" and "Schneider"

**MTBS 2550-40 T / MTBS 3130-30 T / MTBS 3130-40T**

- ▶ Star-delta start-up



Positioning control for backstop Maper HT071



| Technical data                            | MTBS 1350-30 T        | MTBS 1540-40 T        | MTBS 2100-40 T        | MTBS 2550-40 T        | MTBS 3130-30 T        | MTBS 3130-40 T        |
|-------------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Art. no.                                  | 3815613               | 3815615               | 3815620               | 3815625               | 3815630               | 3815631               |
| Working width                             | 1320 mm               | 1530 mm               | 2090 mm               | 2530 mm               | 3100 mm               | 3080 mm               |
| Cutting capacity (400 N/mm <sup>2</sup> ) | 3 mm                  | 4 mm                  | 4 mm                  | 4 mm                  | 3 mm                  | 4 mm                  |
| Cutting capacity (700 N/mm <sup>2</sup> ) | 1.5 mm                | 2.5 mm                | 2.5 mm                | 2.5 mm                | 1.5 mm                | 2.5 mm                |
| Travel range rear stop                    | 600 mm                | 750 mm                | 750 mm                | 750 mm                | 750 mm                | 750 mm                |
| Rear stop speed                           | 28 mm/s               | 28 mm/s               | 28 mm/s               | 28 mm/s               | 28 mm/s               | 28 mm/s               |
| Side stop length                          | 1000 mm               | 1000 mm               | 1000 mm               | 1000 mm               | 1000 mm               | 1000 mm               |
| Cutting angle                             | 2.2°                  | 2°                    | 1.8°                  | 1.8°                  | 1.5°                  | 1.5°                  |
| Cuts per min.                             | 40                    | 40                    | 38                    | 38                    | 38                    | 38                    |
| Sheet support arms amount                 | 2 pcs.                | 2 pcs.                | 2 pcs.                | 2 pcs.                | 3 pcs.                | 3 pcs.                |
| Cutting gap adjustment min.               | 0.05 mm               | 0.05 mm               | 0.05 mm               | 0.05 mm               | 0.05 mm               | 0.05 mm               |
| Cutting gap adjustment max.               | 0.3 mm                | 0.4 mm                | 0.4 mm                | 0.4 mm                | 0.3 mm                | 0.4 mm                |
| Air consumption per cycle                 | 10 l                  | 12 l                  | 13 l                  | 13 l                  | 14 l                  | 14 l                  |
| Motor power                               | 3 kW                  | 5.5 kW                | 7.5 kW                | 7.5 kW                | 7.5 kW                | 11 kW                 |
| Rear stop motor power                     | 0.37 kW               | 0.37 kW               | 0.37 kW               | 0.37 kW               | 0.37 kW               | 0.37 kW               |
| Electrical connection                     | 400 V / ~50 Hz        | 400 V / ~50 Hz        | 400 V / ~50 Hz        | 400 V / ~50 Hz        | 400 V / ~50 Hz        | 400 V / ~50 Hz        |
| Dimensions (L x W x H) approx.            | 2070 x 2120 x 1110 mm | 2320 x 2360 x 1280 mm | 2880 x 2360 x 1280 mm | 3320 x 2360 x 1280 mm | 3910 x 2360 x 1280 mm | 3910 x 2500 x 1500 mm |
| Weight approx.                            | 1190 kg               | 2240 kg               | 2650 kg               | 3050 kg               | 3660 kg               | 5000 kg               |



MTBS 2100-40 T

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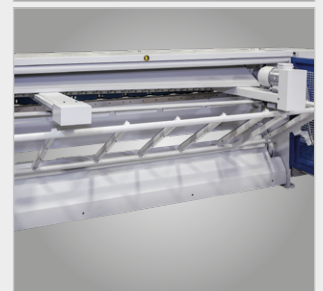
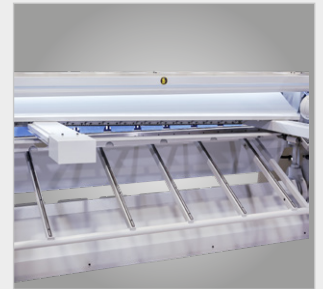


| Equipment options (only possible ex works)                 | Art. no. |
|------------------------------------------------------------|----------|
| Centralised lubrication via hand pump                      | 3887210  |
| Extension of motorised rear stop<br>from 750 mm to 1000 mm | 3887211  |

| Accessories                  | Art. no. |
|------------------------------|----------|
| Adjustable angle stop 0-180° | 3887220  |

| Spare blade set    | Art. no. |
|--------------------|----------|
| for MTBS 1350-30 T | 3887240  |
| for MTBS 1540-40 T | 3887241  |
| for MTBS 2100-40 T | 3887242  |
| for MTBS 2550-40 T | 3887243  |
| for MTBS 3130-30 T | 3887244  |
| for MTBS 3130-40 T | 3887245  |

| Sheet metal stacking trolley,<br>mobile up to 300 kg | Art. no. |
|------------------------------------------------------|----------|
| for MTBS 1350-30 T                                   | 3887225  |
| for MTBS 1540-40 T                                   | 3887226  |
| for MTBS 2100-40 T                                   | 3887227  |
| for MTBS 2550-40 T                                   | 3887228  |
| for MTBS 3130-30 T                                   | 3887229  |
| for MTBS 3130-40 T                                   | 3887229  |



Pneumatic sheet holding  
device with selector lever  
for the direction of the sheet  
chute. The operator can  
choose whether the section  
falls to the rear or to the  
operator's side



Rear space protection with side  
plates and light barrier



Control panel on the left side  
of the machine

Drilling

Deburring

Laser cutting

Circular saws

Roller conveyors

Metal-cutting band  
saws

Cutting

Presses

Notching & punch-  
ing

Bending

Metal grinding