

# TITAN

TRENDSETTING TECHNOLOGY



**HighFrequency-Wall Saw**  
*made out of high-tech materials  
utilizes innovative control technology*

**BRAUN<sup>®</sup>**  
MASCHINENFABRIK



# TITAN

TRENDSETTING TECHNOLOGY

The wall saw **TITAN** reflects the result of more than 30 years of intensive research and development in the field of wall sawing. **TITAN** combines materials used in astronautics, electronics, telecommunications and motor sport with the experience and know how of our partners and professional contractors.

The **TITAN** wall saw sets a new mile stone within the concrete cutting industry. **TITAN** proves that the innovation of the **Braun Machine Company**, the specialist in cutting, is World Class.

## TITAN - Highlights:



Less weight, due to the use of high-tech materials, has resulted in a durable, long lasting and inherently stable construction



Ergonomic's and usage has been optimized by carefull design



Reliability through remote diagnosis and maintenance using mobile phone technology



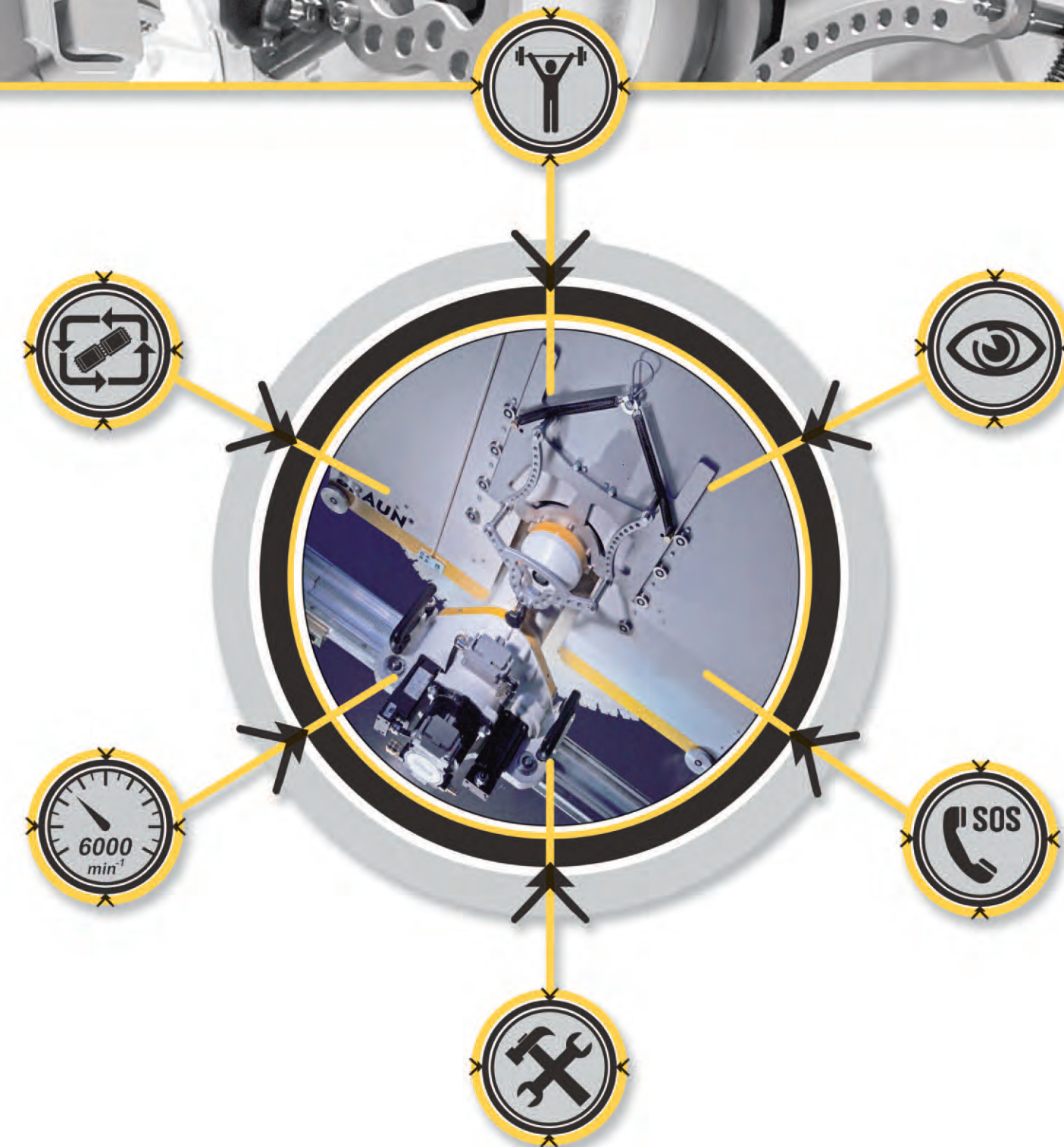
Easy maintenance, service and high operational readiness due to the modular construction



Self-developed HF motor with max. 6000 RPM grants long life expectancy and maintenance cycles



Unique drive technology in connection with a fully automated load regulated control system



## High cutting performance

The completely encapsulated high-tech gears of the **TITAN** transmit the torque of the high-performance electric motor to the saw blade.

## High cutting accuracy

The roller guides of the particularly stable **TITAN** saw head can be adjusted without any play; together with the non-deformable track construction, they ensure a previously unattained quality and straightness of cut.

## High mobility and short setup time

The removable motor, robust double sided cable connectors between the control unit and the **TITAN** saw head combined with the optimized mass distribution, increases mobility and reduces the setup time to commence sawing.

## Versatile operational area

The great variety of accessories, e.g. blade protection for flush cutting, swivelling track feet, add-on set for wire saw conversion with wire storage, add-on set for circle wire saw conversion, etc. turn the **TITAN** into a truly multi purpose machine.

**TITAN's** performance can hardly be surpassed even by big hydraulic wall saws.

**BRAUN**<sup>®</sup>

MASCHINENFABRIK

[www.braun.at](http://www.braun.at)





## TITAN POWER - technical data:

|                              |                                |
|------------------------------|--------------------------------|
| max. saw blade diameter:     | 2000 mm*                       |
| max. cutting depth:          | 920 mm*                        |
| max. motor speed:            | 6000 min <sup>-1</sup>         |
| max. output power:           | 22 kW                          |
| max. fuse protection:        | 35 A                           |
| swivelling range of saw arm: | 360°                           |
| weight of HF motor:          | 14 kg                          |
| weight of saw head:          | 27 kg                          |
| infeed and tool drive:       | electric, fully autom.         |
| flow of water:               | central, over shaft and flange |
| *appl. for floor cutting     |                                |

## TITAN - technical data:

|                              |                                |
|------------------------------|--------------------------------|
| max. saw blade diameter:     | 1500 mm                        |
| max. cutting depth:          | 670 mm                         |
| max. motor speed:            | 6000 min <sup>-1</sup>         |
| max. output power:           | 18 kW                          |
| max. fuse protection:        | 35 A                           |
| swivelling range of saw arm: | 360°                           |
| weight of HF motor:          | 11 kg                          |
| weight of saw head:          | 27 kg                          |
| infeed and tool drive:       | electric, fully autom.         |
| flow of water:               | central, over shaft and flange |

## TITAN LIGHT - technical data:

|                              |                                |
|------------------------------|--------------------------------|
| max. saw blade diameter:     | 1200 mm                        |
| max. cutting depth:          | 520 mm                         |
| max. motor speed:            | 6000 min <sup>-1</sup>         |
| max. output power:           | 11 kW                          |
| max. fuse protection:        | 20 A                           |
| swivelling range of saw arm: | 360°                           |
| weight of HF motor:          | 7 kg                           |
| weight of saw head:          | 27 kg                          |
| infeed and tool drive:       | electric, fully autom.         |
| flow of water:               | central, over shaft and flange |

### BRAUN Maschinenfabrik

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www.braun.at



# ***BWS 12-S***

## ***FULLY AUTOMATIC HF-WALL SAW***

*INFINITELY VARIABLE RPM  
CUTTING DEPTH UP TO 53 cm*

**BRAUN<sup>®</sup>**  
MASCHINENFABRIK

# W A L L S A W

## BWS12-S

with high-tech BRAUN-HF-technology

### TECHNICAL DATA:

### BWS12-S

|                                   |                                        |
|-----------------------------------|----------------------------------------|
| max. saw blade diameter:          | 1200 mm                                |
| number of revolutions:            | 0 to 1240 U/min. (frequency regulated) |
| max. cutting depth:               | 530 mm                                 |
| max. power output                 | 11 kW                                  |
| power supply:                     | 400 V, 16 - 25 A                       |
| feed drive:                       | fully automatic servo technology       |
| tool positioning:                 | fully automatic servo technology       |
| flow of water:                    | central, over shaft and flange         |
| saw blade center bore:            | Ø 60 mm                                |
| swivelling range of saw arm:      | 360°                                   |
| weight saw head without HF-Motor: | 25,8 kg                                |
| weight HF-Motor:                  | 8,7 kg                                 |

### The proven BRAUN-wall saw BWS15 with high-tech HF-technology:

#### High cutting efficiency

a completely encased spur reduction gear transmits the torque of HF-motor with high efficiency to saw blade and guarantees a more constant power transmission  
The high-tech drive technology provides an optimum adjustability of the cutting speed for saw blades up to diameter 1200 mm, without power loss

#### Short setting times

as saw head, HF-motor and track system can be quickly installed

#### High cutting accuracy

rolling guides lock tight to ensure no free play on faultless track construction

#### Multi applicable

because of the large scale of additional equipment, like blade protection for flush cut, swivelling track feet, attachment set for wire saw with wire storage, attachment set for circle wire saw, a.s.o.

#### High adaptability

because of exchangeable track guides the wall saw BWS12-S can easily be adapted to different track systems

#### Low maintenance costs

because of proven and technically mature mechanic of BWS-saw head and low motor rotation speed of BRAUN-HF-TECHNOLOGY of the Titan-series

#### High reserve source of power

The wall saw BWS12-S can be adapted to 22 kW drive power at any time! (see leaflet BWS15-Ti)

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# ***BWS 15-Ti***

## ***FULLY AUTOMATIC HF-WALL SAW***

*INFINITELY VARIABLE RPM WITHOUT POWER LOSS  
MORE TORQUE FOR BIGGER SAW BLADES*

**BRAUN®**

MASCHINENFABRIK

# W A L L S A W

## BWS15-Ti (P)

**Fully automatic wall saw  
with proven Braun HF-technology**

| TECHNICAL DATA:                   | BWS15-Ti                              | BWS15-TiP |
|-----------------------------------|---------------------------------------|-----------|
| max. saw blade diameter:          | 1500 mm                               | 2000 mm * |
| max. cutting depth:               | 680 mm                                | 930 mm *  |
| max. power output:                | 18 kW                                 | 22 kW     |
| number of revolutions:            | 0 to 1240 U/min (frequency regulated) |           |
| max. fuse protection:             | 35 A                                  |           |
| min. fuse protection:             | 16 A (switchable)                     |           |
| electric feed drive:              | fully automatic servo technology      |           |
| electric tool positioning:        | fully automatic servo technology      |           |
| flow of water:                    | central, over shaft and flange        |           |
| saw blade center bore:            | Ø 60 mm                               |           |
| swivelling range of saw arm:      | 360°                                  |           |
| weight saw head without HF-Motor: | 26,5 kg                               |           |
| weight HF-Motor:                  | 11,5 kg                               | 14 kg     |

\* only for floor cutting

### The BRAUN-wall saw system with trend-setting drive technology:

#### High cutting efficiency

A completely encased spur reduction gear transmits the torque of the HF-high-performance electric motor with high efficiency to the saw blade. This efficiency at the saw blade cannot be exceeded of large hydraulic wall saws either. The saw head BWS15-Ti can be equipped with 18 kW or 22 kW drive power optionally.

#### Fully automatic control

The wall saw BWS15-Ti is equipped with servo motors for feed and infeed as well as a fully-automatic output-regulated control unit of the Titan-series.

#### Short setting times

as saw head, HF-motor and track system can be quickly installed

#### High cutting accuracy

rolling guides lock tight to ensure no free play on the faultless track construction

#### Multi applicable

because of the large scale of additional equipment, like flush cut protection, swivelling track feet, attachment set for wire saw with wire storage, attachment set for circle wire saw, a.s.o

#### High adaptability

because of exchangeable track guides the wall saw BWS15-Ti can easily be adapted to different track systems

#### Low maintenance costs

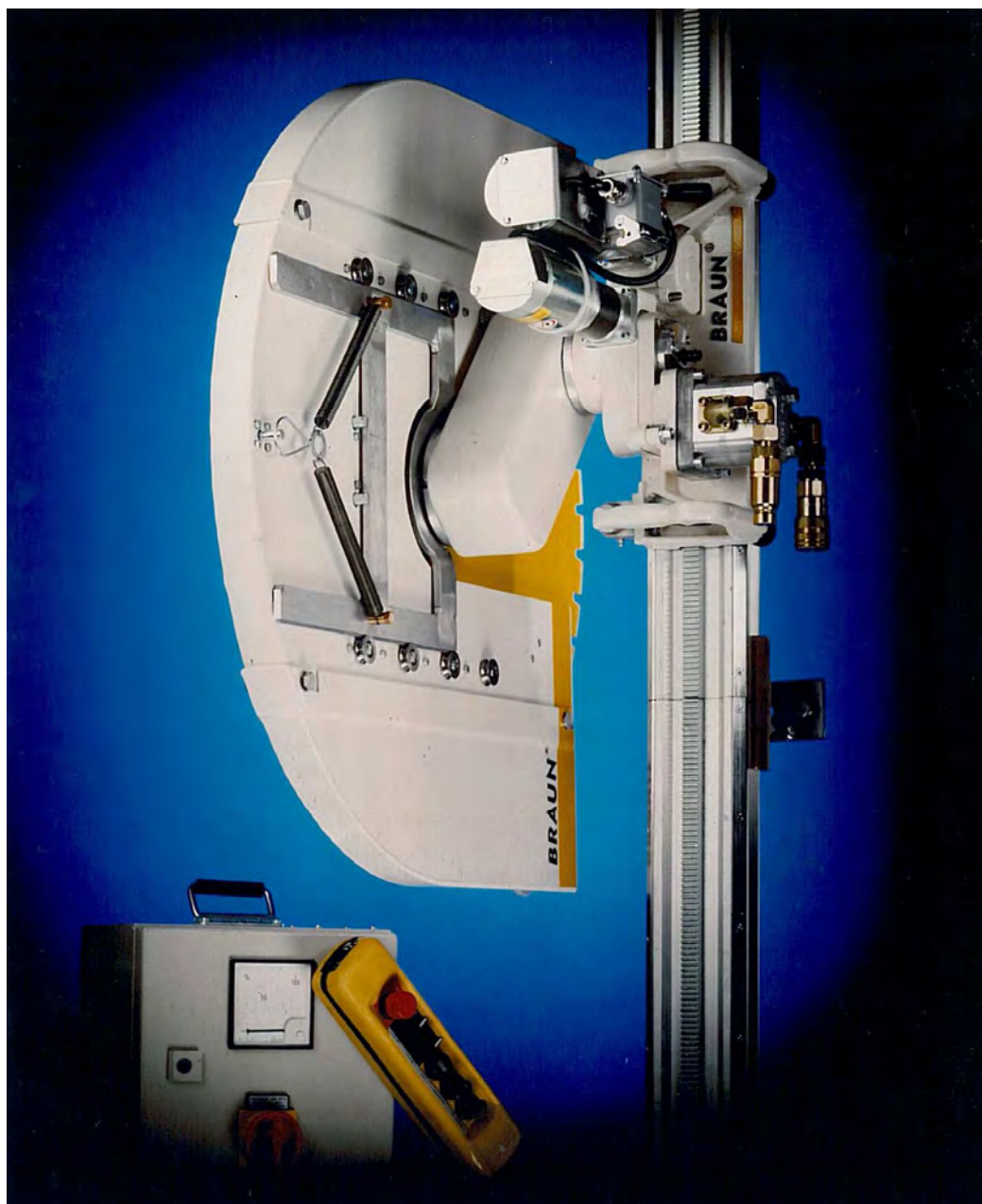
because of proven, well-engineered mechanic of BWS-saw head and low motor rotation speed of BRAUN-HF-TECHNOLOGY of the Titan-series

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# ***BWS 15***

## ***HYDRAULIC WALL SAW***

*WITH ELECTRIC  
OR HYDRAULIC FEED DRIVE  
CUTTING DEPTH UP TO 68 cm*

**BRAUN<sup>®</sup>**

MASCHINENFABRIK



# W A L L S A W

## BWS 15

cutting depth up to 680 mm  
applicable on different track systems

| TECHNICAL DATA: | BWS15-H | BWS15-E |
|-----------------|---------|---------|
|-----------------|---------|---------|

|                                          |                  |                                |                            |
|------------------------------------------|------------------|--------------------------------|----------------------------|
| max. saw blade diameter:                 |                  | 1500 mm                        |                            |
| max. cutting depth:                      |                  | 680 mm                         |                            |
| max. drive power:                        |                  | up to 26 kW                    |                            |
| max. operating pressure:                 |                  | 260 bar                        |                            |
| max. oil flow:                           |                  | 60 l/min                       |                            |
| max. number of revolutions:              |                  | 1500 rpm                       |                            |
| feed drive:                              | hydraulic        |                                | electric *                 |
| tool positioning:                        | hydraulic        |                                | electric *                 |
| swivelling range of saw arm:             |                  | 360°                           |                            |
| saw blade center bore:                   |                  | Ø 60 mm                        |                            |
| flow of water:                           |                  | central, over shaft and flange |                            |
| weight saw head without hydraulic motor: | 25,5 kg          |                                | 31,0 kg                    |
| weight hydraulic motor:                  | 5,5 kg           |                                | 5,5 kg                     |
| recommended hydraulic power packs:       | HAE26V<br>HAE22V |                                | HAE26V-0(F)<br>HAE22V-0(F) |

\* Option: Radio-control

### The BRAUN-wall saw system BWS15:

#### High cutting efficiency

a completely encased spur reduction gear transmits the torque of the hydraulic motor to the saw blade and guarantees a more constant power transmission when compared with direct and belt drives

#### Short setting times

as saw head and track system can be quickly installed

#### High cutting accuracy

rolling guides lock tight to ensure no free play on the faultless track construction

#### Multi applicable

because of the large scale of additional equipment, like flush cut protection, swivelling track feet, attachment set for wire saw with wire storage, attachment set for circle wire saw, a.s.o

#### High adaptability

because of exchangeable track guides the wall saw BWS15 can easily be adapted to different track systems; the BWS15 can also be driven with hydraulic power packs of other manufacturers

#### Low maintenance costs

because of the low-maintenance spur gears and the standard hydraulic motors

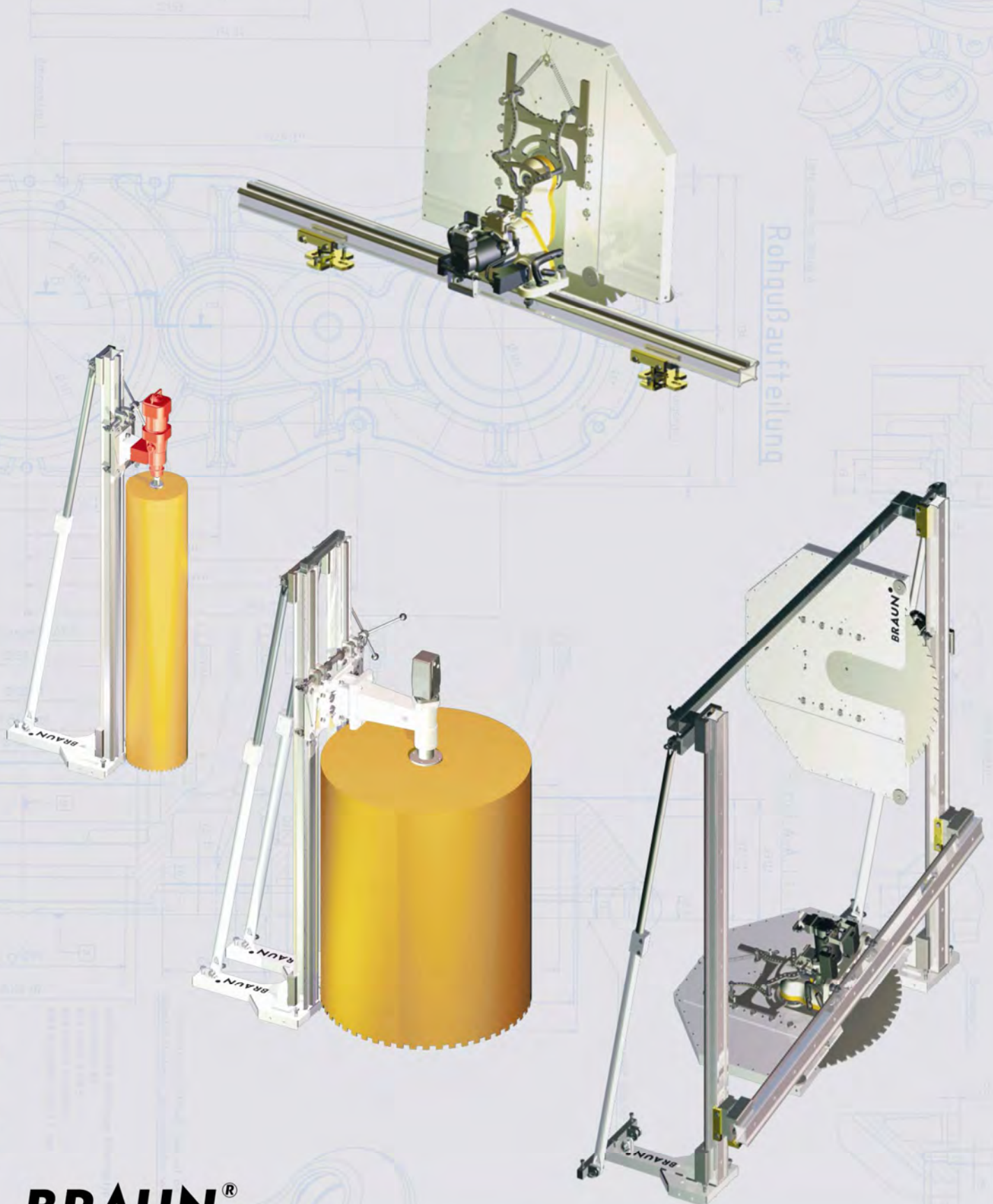
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# **BRAUN<sup>®</sup>** - All-Purpose Modular System for sawing, drilling, milling and grinding





## General

This ingenious all-purpose modular system opens up a range of novel applications for drilling and sawing professionals, saves high investment costs for new specialised machinery, facilitates handling and reduces assembly time considerably for many drilling and sawing tasks!

In many cases fastening of machines by means of anchors is no longer necessary because the tracks can be strutted between the floor and the ceiling!

Saw cuts and boreholes can even be made in parts on which the machine cannot be attached directly.

## Drilling application

|                         | Single-column version<br><b>BBZ1</b> | Double-column version<br><b>BBZ2</b> |
|-------------------------|--------------------------------------|--------------------------------------|
| max. core bit diameter: | 500 mm                               | 1.000 mm                             |
| max. core bit length:   | approx. 2.000 mm                     | approx. 2.000 mm                     |
|                         | Kit for series drilling              |                                      |
| max. core bit diameter: | 300 mm                               |                                      |
| max. core bit length:   | approx. 1.200 mm                     |                                      |

*Selectable feed drives:*

- manual feed via a star handle
- electric feed drive
- pneumatic feed drive
- hydraulic feed drive

## Application, frame construction – sawing

Application-oriented design of the frame

all cuts (as well as any dividing cuts) can be made from a single frame position

Diagonal cuts

cuts can be easily performed due to swiveling track holders

Reduction of assembly time

when cutting several openings of equal size, assembly time of tracks is considerably reduced

Assembly without anchors

in most cases supporting of the ceiling provides sufficient stability and the use of anchors is no longer necessary

## Application, frame construction – milling/grinding

see folder „Milling/grinding cutter for walls and ceilings“

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# ***BB1S***

## ***DIAMOND DRILLING EQUIPMENT***

*THE LIGHT-WEIGHT  
FOR THE PROFESSIONAL  
IN THE BUILDING TRADE*

**BRAUN<sup>®</sup>**  
MASCHINENFABRIK



**BOREHOLES UP TO 170 mm DIAMETER**

# BB1S

## The drill rig for the building trade!

The light metal design in combination with the free from play adjustable single-column-guidance guarantees high efficiency at low weight.

Easy and energy sparing operation through spindle feed with handwheel.

### TECHNICAL DATA:

|                         |                |
|-------------------------|----------------|
| max. core bit diameter: | up to Ø 170 mm |
| weight:                 | 14 kg          |
| usable length:          | 560 mm         |
| machine height:         | 940 mm         |
| max. core bit length:   | 500 mm         |

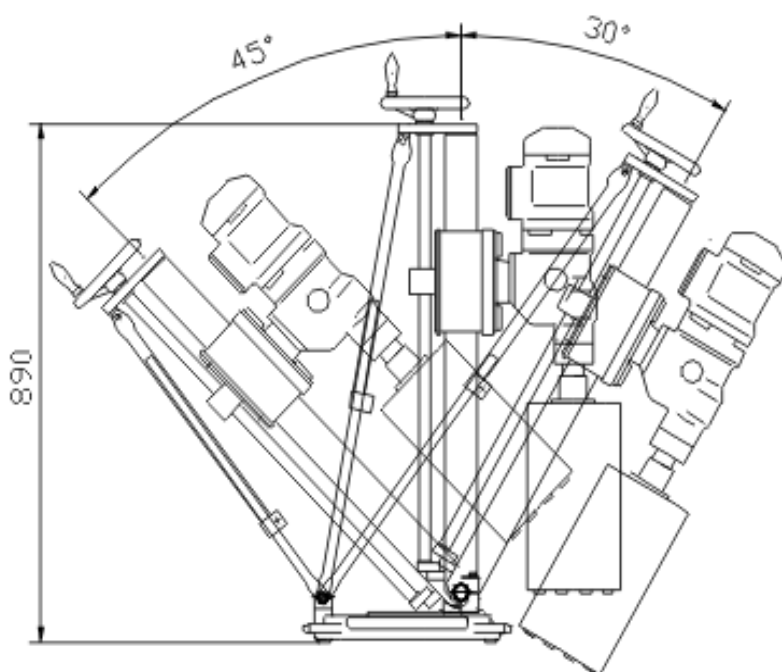
inclined up to 45° backwards and 30° forward

combined dowel-vacuum plate

single-column-guidance made of chromium plated polished sectional steel tubes

adjustable guide plate  
made of wear-resistant plastic

adjusting feet with movable supporting plates



### ACCESSORIES:

water collecting ring, set of gasket, clamping supports Ø 60 mm (for electric motors), base supports for all common electric motors.

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BBD1WS-D

# ***BBD1WS***

## ***DIAMOND DRILLING EQUIPMENT***

*THE LIGHT-WEIGHT  
FOR EXTREME DEMANDS*

**BRAUN<sup>®</sup>**

MASCHINENFABRIK

**BOREHOLES UP TO 250 mm DIAMETER**

# **BBD1WS(-D)**

## **The drill rig for specialists!**

The light metal design in combination with the double-column-guidance guarantees high efficiency at low weight.

Easy and energy sparing operation through spindle feed with handwheel.

### **TECHNICAL DATA:**

|                            |         |
|----------------------------|---------|
| max. core<br>bit diameter: | 250 mm  |
| weight:                    | 17 kg   |
| usable length:             | 600 mm  |
| machine height:            | 1030 mm |
| max. core<br>bit length:   | 540 mm  |

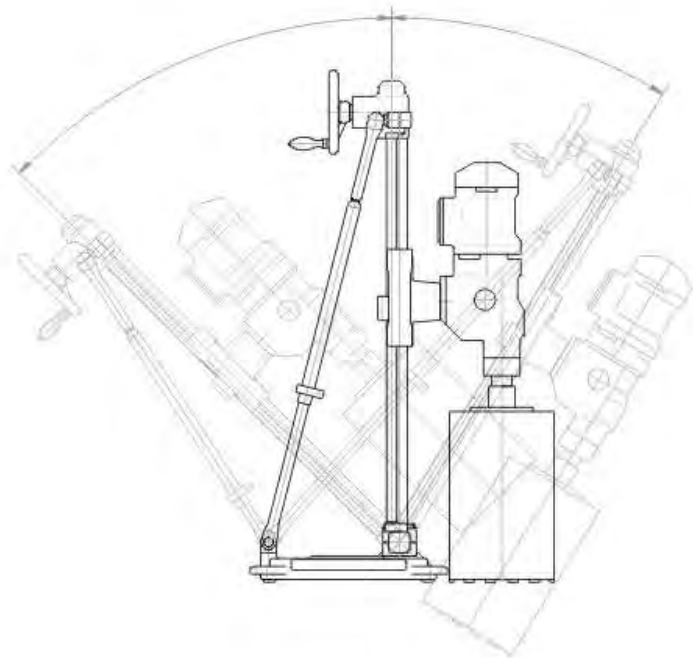
inclinaible up to 45° backwards  
and 30° forward

combined dowel-vacuum plate  
or steel dowel base

double-column-guidance  
made of polished stainless  
steel tubes

wear-resistant guide boxes

adjusting feet with movable  
supporting plates



### **ACCESSORIES:**

Water collecting ring, set of gasket  
clamping support Ø 60 mm (for electric  
motors), base supports for all common  
electric motors.

# **BRAUN<sup>®</sup>**

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# ***BBD2W***

## ***DIAMOND DRILLING EQUIPMENT***

*THE UNIVERSAL-PURPOSE DRILL RIG*

*FOR THE SPECIALIST*

**BRAUN<sup>®</sup>**

MASCHINENFABRIK

## CORE DRILLING UP TO DIAMETER 480 mm

also perfectly suitable for PLUNGE SAWING, WALL SAWING  
and WIRE SAWING (see leaflet Combi-System)

# BBD2W

**the universal-purpose built drill rig for the specialists  
with electric or hydraulic drive**

The light metal design in combination with the double-column-guides  
guarantees high efficiency at low weight.

Easy and energy sparing operation through spindle feed with hand wheel.

Optionally available with automatic electric or hydraulic feed drive.

### TECHNICAL DATA:

|                                 |                                                               |
|---------------------------------|---------------------------------------------------------------|
| max. core bit diameter:         | up to Ø 480 (500) mm diameter [with 2 connecting links BHZ 3] |
| weight:                         | 22 kg                                                         |
| usable length:                  | 660 mm (max. 1200 mm)                                         |
| overall height:                 | 1165 mm                                                       |
| max. usable length of core bit: | 600 mm (max. 1140 mm)                                         |

double-column guidance  
made of polished stainless steel tubes

wear-resistant guides

spindle infeed with swivelling hand wheel

base plate, guiding slide, support, column plate  
and miter gear made of special aluminium alloy

### ACCESSORIES:

|               |                                                                                                                                                                                        |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| for drilling: | electric- and hydraulic-motors for drilling,<br>electric and hydraulic feed drives with remote control,<br>vacuum plate, water collecting ring,<br>device for inclined drilling, ..... |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                                    |                          |
|----------------------------------------------------|--------------------------|
| for wall sawing, wire sawing<br>and plunge sawing: | see leaflet Combi-System |
|----------------------------------------------------|--------------------------|

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# ***BBD4W***

## ***DIAMOND DRILLING EQUIPMENT***

*THE EFFICIENT  
UNIVERSAL EQUIPMENT*

**BRAUN<sup>®</sup>**

MASCHINENFABRIK



## CORE DRILLING UP TO 600 mm DIAMETER

also perfectly suitable for PLUNGE SAWING and  
WIRE SAWING (see Combi-System leaflet)

# BBD4W

**the universal-purpose built drill rig for the specialists**

The light metal design in combination with the double-column-guides  
guarantees high efficiency at low weight.

Easy and energy sparing operation through spindle feed with handwheel.

Optionally available with automatic electric or hydraulic drive.

### TECHNICAL DATA:

|                              |                                                           |
|------------------------------|-----------------------------------------------------------|
| max. core bit diameter:      | up to 600 mm diam. [with 3 pieces connecting links BHZ 3] |
| weight:                      | 39 kg                                                     |
| usable length:               | 860 mm (max. 1500 mm)                                     |
| overall height:              | 1380 mm                                                   |
| max. core bit usable length: | 800 mm (max. 1440 mm)                                     |

double-column-guidance  
made of polished stainless steel tubes

wear-resistant guides

spindle infeed with swivelling handwheel

rubber transporting wheels

base plate, guiding slide, support, column plate  
and miter gear made of special aluminium alloy

### ACCESSORIES:

for drilling: see leaflet Drill Rigs BBD2W/BBD6W

for wire sawing and plunge sawing: see leaflet Combi-System

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# ***BBD6W***

## ***DIAMOND DRILLING EQUIPMENT***

*THE DRILL RIG  
FOR BIG JOBS*

**BRAUN<sup>®</sup>**  
MASCHINENFABRIK

## CORE DRILLING UP TO DIAMETER 1000 mm

also perfectly suitable for PLUNGE SAWING  
and WIRE SAWING (see leaflet Combi-System)

# BBD6W

## the drill rig for big jobs

The light metal design in combination with the double-column-guides  
guarantees high efficiency at low weight.

Easy and energy sparing operation through spindle feed with hand wheel.

Optionally available with automatic electric or hydraulic drive.

### TECHNICAL DATA:

|                                 |                                                 |
|---------------------------------|-------------------------------------------------|
| max. drilling bit diameter:     | up to Ø 1000 mm [with 2 connecting links BHZ 8] |
| weight:                         | 49 kg                                           |
| usable length:                  | 760 mm (max. 1700 mm)                           |
| overall height:                 | 1390 mm                                         |
| max. usable length of core bit: | 700 mm (max. 1640 mm)                           |

double-column-guidance  
made of polished stainless steel tubes

wear-resistant guides

spindle infeed with swivelling hand wheel

rubber transporting wheels

base plate, guiding slide, support, column plate  
and miter gear made of special aluminium alloy

### ACCESSORIES:

for drilling: hydraulic motors for drilling, extension shaft for core bits  
with flange fastening, device for inclined drilling,  
electric and hydraulic feed drives with remote control,  
and many more

for wire sawing and deep cutting: see leaflet Combi-System

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# ***HAE22V(-0)***

## ***HYDRAULIC UNIT***

*THE UNIVERSAL POWER PACK  
FOR THE PROFESSIONAL*

**BRAUN<sup>®</sup>**  
MASCHINENFABRIK

# The universal HYDRAULIC UNIT for

**wall sawing - plunge sawing - wire sawing - drilling**

## TECHNICAL DATA:

**HAE 22 V**  
with feed circuit

**HAE 22 V-0(F\*)**  
without feed circuit

|                                               |                                        |        |
|-----------------------------------------------|----------------------------------------|--------|
| <b>Hydraulic power</b> (adjustable) max.:     | <b>26 kW</b>                           |        |
| <b>Continuous output power:</b>               | <b>22 kW</b>                           |        |
| Power supply:                                 | min. 32(63) A, 400(220) V, 50(60) Hz   |        |
| Oil delivery - tool drive:                    | 0 - 60 l/min (continuously adjustable) |        |
| Oil delivery - feed drive:                    | 11 l/min                               | ---    |
| Operating pressure (continuously adjustable): | max. 260 bar                           |        |
| Cooling:                                      | oil/water-plate heat exchanger         |        |
| Connections:                                  | quick-lock plug couplings (drip-less)  |        |
| Weight without electric motor:                | 76 kg                                  | 72 kg  |
| with electric motor (detachable):             | 143 kg                                 | 139 kg |
| Length/Width/Height:                          | 600 x 560 x 1070 mm                    |        |

**\*F means "remote control"**

## FEATURES:

### Light weight air-cooled electric motor

- removable for transport, sturdy and maintenance-free
- motor protection with automatic switch-off to prevent overheating

### Axial reciprocating pump

- continuous adjustment of oil delivery, so the cutting speed can always be exactly adjusted to application, tool, machine and material quality
- long lifetime

### Manually-operated pressure-regulating valve

- any desired operating pressure can be chosen
- additional pressure guard unnecessary
- through adjustment of the operating pressure to the respective delivery the capacity of the electric motor can always be fully utilised

### Phase controller

- prevention of the electric motor running in the wrong direction

### Oil temperature control

- damage on the hydraulic system through overheating can be prevented (automatic switch off)

### Tires

- the big tires enable easy transportation on site

### Remote Control

- HAE22V  
the feed control block is detachable and therefore can also be used as remote control!
- HAE22V-0  
the hydraulic unit is also available with remote control (with cable or wireless) = HAE22V-0F

### Oil filter with dirt indication

### User-friendly switches and controls

... and much more

# BRAUN®

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# ***HAE26V(-0)***

## ***HYDRAULIC UNIT***

THE UNIVERSAL POWER PACK  
FOR THE PROFESSIONAL

**BRAUN®**  
MASCHINENFABRIK

The universal  
**HYDRAULIC UNIT**  
for

**wall sawing - plunge sawing - wire sawing - drilling**  
**with continuous adjustable oil delivery**

**TECHNICAL DATA:**

**HAE 26 V**  
with feed circuit

**HAE 26 V-0(F\*)**  
without feed circuit

|                                               |                                        |        |
|-----------------------------------------------|----------------------------------------|--------|
| <b>Hydraulic power</b> (adjustable) max.:     | <b>26 kW</b>                           |        |
| <b>Electrical input power</b> max.:           | <b>30 kW</b>                           |        |
| Power supply:                                 | min. 32(63) A, 400(220) V, 50(60) Hz   |        |
| Oil delivery:                                 | 0 - 60 l/min (continuously adjustable) |        |
| Oil delivery - feed circuit:                  | 11 l/min                               | ---    |
| Operating pressure (continuously adjustable): | max. 260 bar                           |        |
| Cooling:                                      | oil/water-plate heat exchanger         |        |
| Connections:                                  | quick-lock plug couplings (drip-less)  |        |
| Weight without electric motor:                | 76 kg                                  | 72 kg  |
| Weight with electric motor (detachable):      | 143 kg                                 | 139 kg |
| Length/Width/Height:                          | 600 x 560 x 1070 mm                    |        |

**\*F means "remote control"**

**FEATURES:**

**Light weight water-cooled electric motor**

- removable for transport, sturdy and maintenance-free
- motor protection with automatic switch-off to prevent overheating

**Axial reciprocating pump**

- continuous adjustment of oil delivery, so the cutting speed can always be exactly adjusted to application, tool, machine and material quality
- long lifetime

**Manually-operated pressure-regulating valve**

- any desired operating pressure can be chosen
- additional pressure guard unnecessary
- through adjustment of the operating pressure to the respective delivery the capacity of the electric motor can always be fully utilised

**Phase Controller**

- prevention of the electric motor running in the wrong direction

**Oil Temperature Control**

- damage on the hydraulic system through overheating can be prevented (automatic switch off)

**Tires**

- the big tires enable easy transportation on site

**Remote Control**

- HAE26V  
the feed control block is detachable and therefore can also be used as remote control!
- HAE26V-0  
the hydraulic unit is also available with remote control = HAE26V-0F

**Oil filter with dirt indication**

**User-friendly switches and controls**

... and much more

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# ***HAE 7,5***

## ***HYDRAULIC UNIT***

*FOR CHAIN SAWS, HAND HELD SAWS,  
CORE DRILLING MACHINES AND WIRE SAWS*

**BRAUN<sup>®</sup>**

MASCHINENFABRIK

# HYDRAULIC UNIT

## HAE 7,5

for chain saws - hand held saws - core drilling machines - wire saws

### TECHNICAL DATA: HAE 7,5

|                      |                                         |
|----------------------|-----------------------------------------|
| Hydraulic power:     | 7,9 kW                                  |
| Power supply:        | 400 V, 50 Hz, 16 A                      |
| Oil delivery:        | 34 l/min (also available with 40 l/min) |
| Operating pressure:  | 140 bar                                 |
| Cooling:             | oil/water-plate heat exchanger          |
| Hydraulic oil:       | HLP 46 (about 15 l)                     |
| Connections:         | quick-lock plug couplings (drip-less)   |
| Total weight:        | 58 kg (without hydraulic oil)           |
| Length/Width/Height: | 550 x 470 x 690 mm                      |

### FEATURES:

#### Light weight air-cooled electric motor

- with installed star-delta-switch

#### Oil flow return filter with filler socket

#### Oil gauge

#### Pressure gauge

#### Euro-socket with installed phase changer

#### Tires

- the big tires enable easy transportation on site

#### Adjustable transport handle

- adjustable up and down

... and much more

# BRAUN®

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# WIRE SAW SYSTEMS

CIRCLE-WIRE-SAW

WALL-SAW AS WIRE-SAW WITH WIRE-STORAGE

COMPACT-WIRE-SAW

DRILL-RIG AS WIRE-SAW WITH WIRE-STORAGE



# WIRE SAW SYSTEMS

## Wall Saw as Wire Saw with Wire Storage SSP15-WS

- Basic unit
  - wall saw BWS or Titan
- Efficiency
  - 7,5 - 26 kW depending on wall saw type
- Storage capacity
  - 12 - 25 m depending on track length
- Accessories
  - frequency converter, wire routing device
  - as well as the multifarious equipment of the Braun combi-system



The Braun Wire Saw Accessories can also be supplied for some other wall saw systems!

## Drill Rig as Wire Saw with Wire Storage SSP15

- Basic unit
  - drill rig BBD4W, BBD2W or BBD6W
- Wire saw drive
  - electric - up to 18 kW efficiency
  - hydraulic - up to 26 kW efficiency
- Storage capacity
  - 12 - 20 m depending on usable length of drill rig
- Accessories
  - frequency converter (for electric wire saw drive)
  - wire guiding device, as well as the multifarious equipment of the Braun combi-system



## Circle Wire Saw

- Basic unit
  - wall saw BWS or Titan
  - as well as wire saw drive BSA-E(H)
- Range of diameter
  - 800 - approx. 5000 mm
- Efficiency
  - 7,5 - 26 kW depending on used drive
- Accessories
  - frequency converter, wire storage SSP15-WS,
  - as well as the multifarious equipment of the Braun combi-system

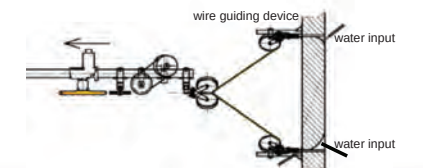
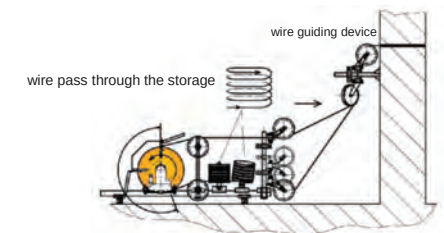
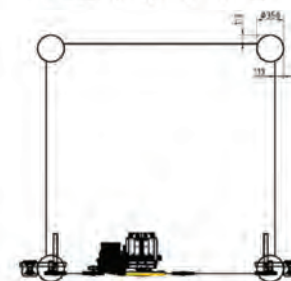
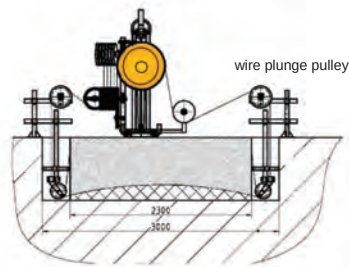
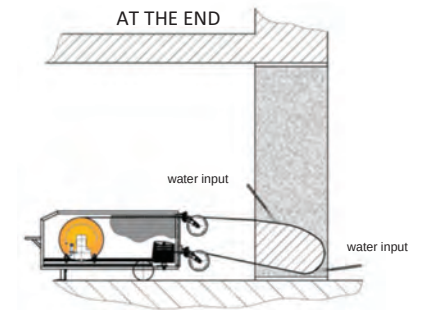
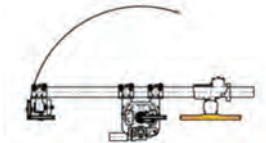
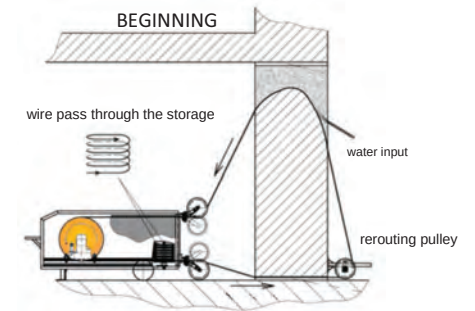
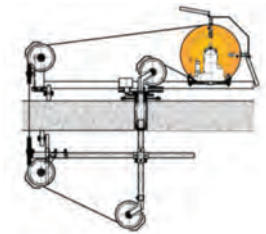


## Compact Wire Saw

- Basic unit
  - wall saw BWS8, BWS12 or BWS15
  - as well as wire saw drive BSA-E(H)
- Efficiency
  - 7,5 - 26 kW depending on used drive
- Storage capacity
  - 12 m
- Accessories
  - frequency converter, pneumatic infeed drive,
  - wire guiding device, as well as the multifarious equipment of the Braun combi-system



# APPLICATIONS

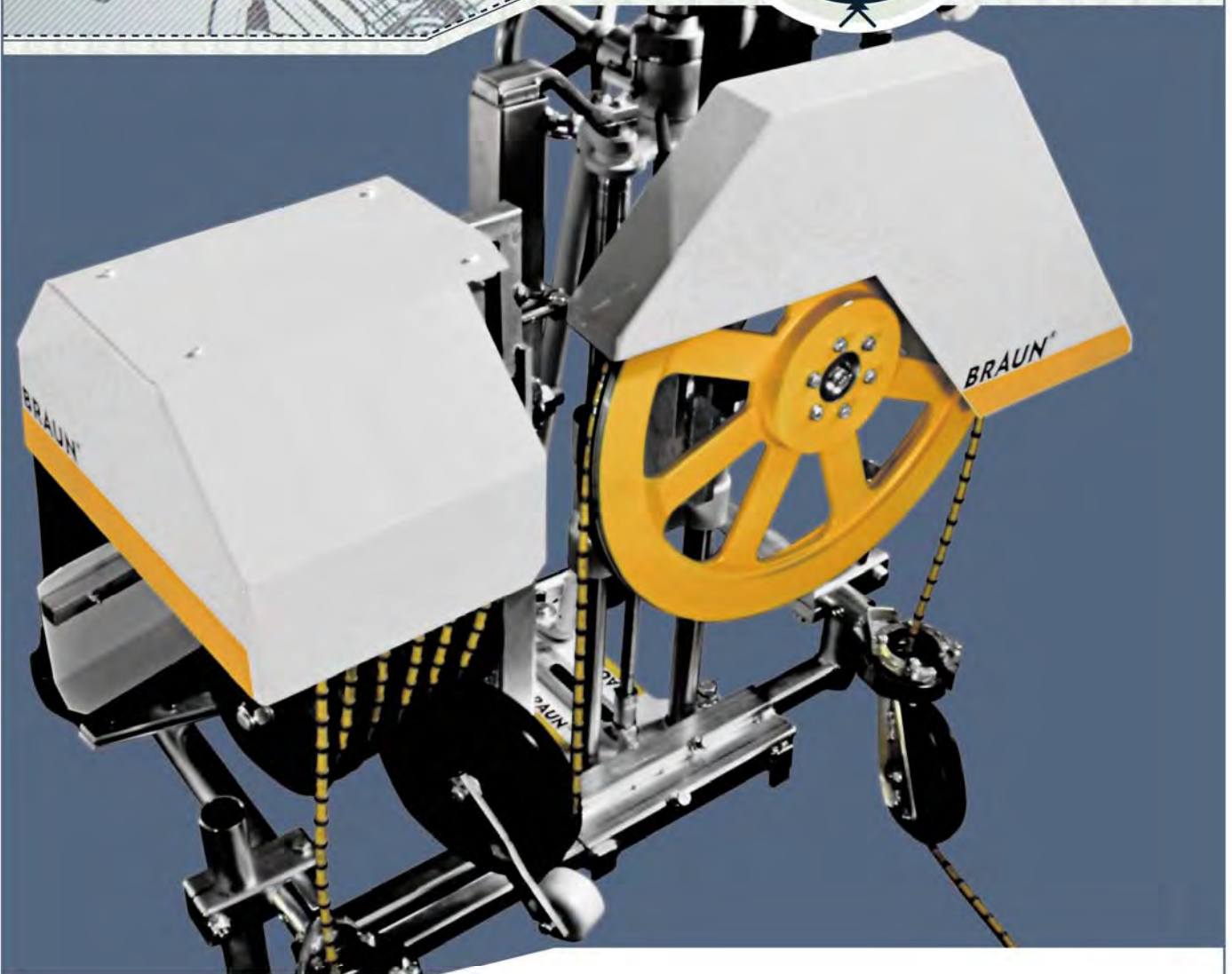


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# SSP12 HF-S



## HF Wire Saw System

with BRAUN HF drive technology  
fully automatic control system  
and compact wire storage

**BRAUN®**

MASCHINENFABRIK

# SSP 12-HF

## Compact Wire Saw with Wire Storage for Specialists

**Cutting surface up to 8 m<sup>2</sup> without wire shortening**

|                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Combination of devices between                                                                                                  | The compact wire storage guarantees:                                                                                                                                                                                                                                                                                                                                                                              |
| <ul style="list-style-type: none"><li>- drill rig BBD2W</li><li>- BRAUN wire saw system</li><li>- BRAUN HF technology</li></ul> | <ul style="list-style-type: none"><li>- high cutting capacity</li><li>- optimal wire utilisation: shortening of diamond wire is not necessary</li><li>- wire-protecting construction due to large rerouting radius of pulleys</li><li>- short set-up times due to modular system with quick acting closures</li><li>- low weight</li><li>- multipurpose applicability</li><li>- easy and safe operation</li></ul> |

### TECHNICAL DATA:

|                                     |                              |                                      |
|-------------------------------------|------------------------------|--------------------------------------|
| Drive power:                        | 18 kW                        |                                      |
| Wire speed:                         | 0 - 30 m/s                   | infinitely variable                  |
| Feed drive                          | electric                     | with fully automatic control system  |
| Storage capacity:                   | approx. 12 m diamond wire    |                                      |
| Weights:                            |                              |                                      |
| Drill rig                           | 23 - 31 kg                   | according to effective length        |
| Wire storage                        | 44 kg                        | can be disassembled into light units |
| HF wire saw drive BSA-HF            | 37 kg                        | motor 11 kg, can be removed          |
| Min. effective length of drill rig: | 660 mm                       |                                      |
| Total height:                       | starting from approx. 900 mm |                                      |

### ACCESSORIES:

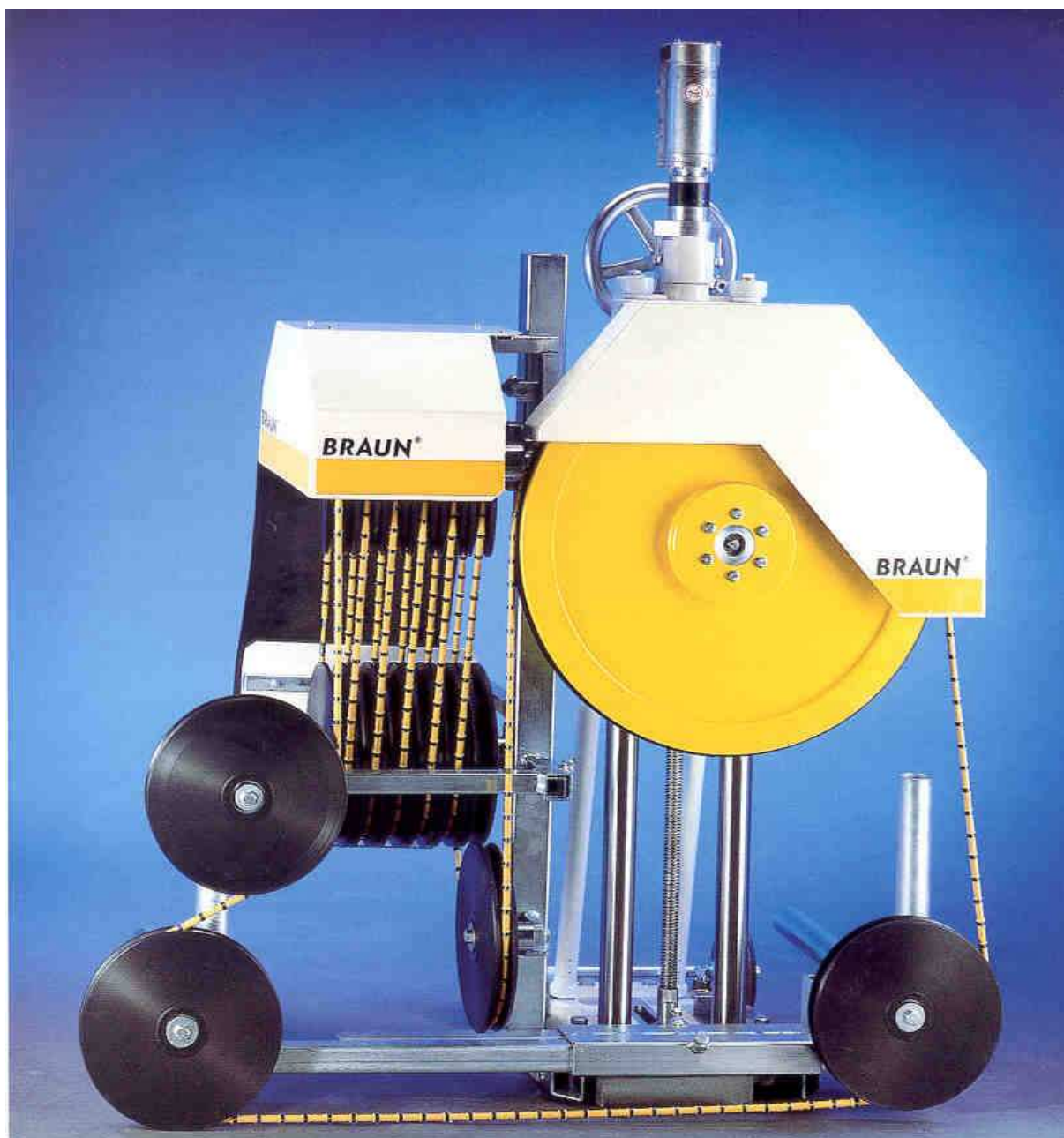
Swivelling pulleys for horizontal cuts  
Wire saw accessories of the BRAUN "combi system"  
also available with hydraulic drive

# BRAUN<sup>®</sup>

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# **SSP15**

## **WIRE STORAGE**

*THE WIRE SAW SYSTEM  
FOR THE FUTURE*

**BRAUN®**

MASCHINENFABRIK



**a cutting surface of up to 10 m<sup>2</sup> without shortening the wire**

for use with the BRAUN-drill rigs  
or also as additional equipment for its own

## **SSP 15**

**the patented wire storage system for the specialist!**

In connection with the BRAUN-wire sawing systems the patented wire storage ensures  
high cutting capacity, optimal wire utilization, short preparation times,  
as well as simple and safe handling.

### **TECHNICAL DATA:**

|                                       |                                                                                                |
|---------------------------------------|------------------------------------------------------------------------------------------------|
| storage capacity:                     | 15 - 20 linear metres of diamond wire                                                          |
| weight:                               | 29 kg (without detachable storage rollers)<br>52 kg with storage rollers and protection covers |
| total height:                         | approx. 1300 mm                                                                                |
| min. usable length of drilling stand: | 800 mm                                                                                         |

- short preparation times because of modular system  
with snap closure couplings
- easy handling because of firm and simple construction
- optimal wire utilization as the shortening of the diamond rope is no longer  
necessary
- designed to be easy on the wire by the use of the large rerouting radius  
of the rollers
- wide-ranging applicability  
because the wire storage can be combined with many wire drives

### **ADDITIONAL EQUIPMENT:**

swivelling rollers for horizontal cuts  
wire sawing equipment of the BRAUN "combi-system"

**BRAUN<sup>®</sup>**

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