

News

SMART DRY CUTTING SET FROM SAMEEDIA

Page 41

Reports

FACHTAGUNG ABBRUCK 2025

Pages 44-47

Special Feature

COMPACT EXCAVATORS HIT THE DIG TIME

Pages 50-54

IACDS

GREAT IACDS GATHERING DURING BAUMA

Pages 56-61

IACDS

"MY OBJECTIVE IS TO BROADEN AND STRENGTHEN THE IACDS COMMUNITY ON THE GLOBAL SCALE"

Page 6

Business

90 YEARS OF SCHWAMBORN

Page 12

News

TYROLIT PRESENTS THE NEW WSE912 WALL SAWING SYSTEM

Page 16

Shows

BIG TIME AT BIG BAUMA!

Pages 22-30

KEMROC

USED IN FRENCH TUNNELING JOB

Page 42

Special Feature

THE NEW AGP HYBRID DRY AND WET DIAMOND CORING MOTORS

Page 67

Reports

WORLD CONCRETE CUTTING SUMMIT 2027

Pages 76-78



CUTTING EDGE NEWS

2025 did not bring an avalanche of new launches in the wall and wire sawing segment of the concrete cutting industry. Still, some manufacturers did manage to add new models to their offerings. PDi magazine has the news.

Dr. Schulze features 'KKW' wire saws

The KKW range of wire sawing systems from Germany based Dr. Schulze is designed for dismantling massive concrete structures. The KKW machines have been tried and tested in various demolition projects, including decommissioning of nuclear power plants. All three models are lightweight and can be quickly disassembled into transportable sections. This means that the saws can be installed even in difficult to reach areas or on mobile scaffolding in the immediate vicinity to the cut. Short wire lengths and rugged construction of the saws reduce vibrations to a minimum, thus ensuring cutting speeds of over 5m²/h. The low maintenance high frequency 20kW drive with remote control (wireless version is

optionally available) delivers constant cutting parameters even in heavily reinforced concrete with its extremely high torque. The machine can be set up with only one drop in anchor. Other features include a frequency converter with a touch screen and multi-function display, a remote control and lightweight aluminium wire pulleys. www.dr-schulze.de

Hilti DSW 5030-CA wire saw designed for the toughest applications

For tasks such as subsea cutting, hydro dam dismantling, or decommissioning steel structures, Hilti has introduced the DSW 5030-CA wire saw. Operating on a 125A power source, the DSW 5030-CA delivers

50kW of cutting power and has 30m of wire storage, making it capable of handling even the largest cuts with high levels of efficiency. Its high start torque is designed to provide reliable performance in the most demanding applications. The DSW 5030-CA also can achieve 37kW of power from a 63A power source. The compact wireless remote control uses 'CutAssist' technology, a feature designed to support operators by automatically adjusting power and wire tension. By aligning these parameters with the amount of wire storage in use, the system is said to optimise performance and efficiency while allowing operators to focus on execution rather than constant manual adjustments. The DSW 5030-CA is equipped with a pneumatic wire tensioning system



SMOOTH(ING) OPERATORS

Though the term ‘scattershot’ connotes disorganisation and waste, there’s nothing negative about scattering steel shot pellets at high speeds to quickly clean and smooth concrete, asphalt, and other surfaces. We’re talking, of course, about shotblasting, a surface preparation method that is gaining favour among contractors for its speed, efficiency, and cost advantages.

Depending on the project, shotblasting offers an attractive alternative, or even a complement to diamond grinding. The machines can direct the pellets into corners and other hard to reach areas, and handle a wide range of surfaces, especially those that have been roughed up through time and use. What’s more, the shot pellets can be collected and reused on the same job and beyond. Many products can be easily paired with dust collectors to ensure a safe working environment from start to finish.

Here are some of the segment’s latest developments.

A double shot of blasters from Dr. Schulze

Dr. Schulze of Germany offers the DSBM-250 and DSBM-400 shotblasting machines. With a working

width of 250mm, the DSBM-250 suits smaller and medium size projects with a performance of up to 80m²/h. The machine is equipped with a powerful 7.5kW electric motor and stepless adjustable feed drive with turbo button for rapid movement. The system includes the matching filter unit DSBM-250 FU, which contains an automatic filter cleaning system and achieves an air flow of 1,620m³/h.

For larger projects, the 400mm DSBM-400 has a surface performance of more than 120m²/h. Development of this system focused on reliability, low maintenance, and the longest possible durability of all components. In this way, customers are able to achieve extremely low costs on projects and can use the system for a long time without any interruptions. Due to the

enormous airflow of 2,280m³/h, the corresponding DSBM-400 FU filter unit ensures almost absolute dust free operation.

Both machines feature a blasting chamber with inner armour made of 8-12mm special alloyed steel, enhancing durability and allowing a service life of up to 200 engine hours. The detachable cover on the ‘V-Tower’ allows much quicker replacement of the inner armour, as well as enabling the quick checking of the wear condition for all inner components at any time. The machines’ blasting separator is equally rugged, being made of 8mm thick steel armour.

Dr. Schulze DSBM shot blasting machines also feature washable and re-usable useable polyester filter cartridges. The extremely high air pressure of 7.5bar for



the filter cleaning ensures a constant suction power. The powerful rotary compressor in the DSBM-400's filter unit offers greater reliability compared with cheaper piston compressors.

After the job is done, Dr. Schulze's MB-620 magnetic broom allows fast and comfortable collecting of remaining shots from the floor, saving time and material, and improving jobsite safety.

www.dr-schulze.de

National Flooring Equipment's A97 is built for big jobs

The A97 from National Flooring Equipment combines the best aspects of traditional shotblasting with new features designed to increase efficiency and productivity on the job. Built from the strongest manganese steel that becomes stronger as it hardens over time, the 195kg variable speed, self-propelled machine has a 7.35kW blasting motor and a 25.4mm blasting width. Paired with the company's DL4000P dust collector, this combo provides a heavy duty shotblasting team with a production rate of up to 182.5m²/h.

The unique joystick handle control on the A97 gives the operator more responsive and intuitive handling. A simple two button system on the handle enables users to operate the machine one handed, which helps speed up productivity when reaching the end of a row and lining up to make another pass. Reverse operation allows more control over positioning, direction, and line overlapping. LED lights illuminate spaces both in front and behind the machine. In dark or poorly lit areas, this allows for regular monitoring of the blast overlap and quality of the concrete surface profile (CSP).



Said to be unique to the A97 shotblaster is a tilted rebound plenum, designed to get the blast path within 3.1mm of the wall. Other features include a hose and cord management system, adjustable height that allows for infinite operating positions, and an integrated rake mechanism that locks the drive wheel for safety when the machine is off.

www.nationalequipmentdirect.com

Von Arx augments shotblasters with new dust collectors

Just over a year since its acquisition of Impacts of Germany, Von Arx now offers its branded shotblasters in Italy, Spain, and North America, represented by Trimmer, Anzeve, and Runyon Surface Prep. In all other markets the

shotblasters are still sold under the original Impacts brand.

Impacts/Von Arx Shotblasters are known for high quality and production rates. Among the most popular models is the S210E, a single phase smooth shotblaster with an 203mm blast pattern, which is available in 230V and 110V versions. Larger units in the product line are led by the 254mm S320, offered in 400V/480V and 11kW and 15kW versions. There is also the 610mm S600, available in 400V/480V and 22kW.

