



Preparation of steel surfaces

PRODUCT CATALOGUE

Requirements changing. Quality stays.

Who we are.

The company was founded in 2004 by experienced professionals from the mobile surface preparation technology. "Make it different, make it better, create more tailored and lucrative solutions for the customer"- these were the driving forces behind the foundation.

Our "Make it different, do it better" is accepted by the market: Today **IMPACTS GmbH** has a sister company in the USA, worldwide 18 sales partners and a global network of experts. Meanwhile we export to 25 countries. The main markets include Germany, France, the USA and China.

Our offer.

In the field of mobile surface treatment **IMPACTS GmbH** offers a high-quality and comprehensive product portfolio for the mobile preparation of concrete, steel surfaces, mineral surfaces, asphalt, natural stone, and many other areas. The mobile shot blast machines and single head grinding machines are developed and manufactured in our headquarters in Overath near Cologne. "**Made in Germany**" is therefore claim and obligation for us. The result: quality and precision.

With our five product groups, we cover every conceivable application area from the construction sites. Our offer is completed by grinding and polishing machines, strippers and scarifiers which are produced by our partner companies from the US and Switzerland. High quality, innovative diamond tools for our own machines and for many other manufacturers are always in stock.

What makes us special?

Each new product development takes its start on the client side. If you like, we do what the customer wants. Or with other words: From a specific need or even a vague idea of our client, we develop a concrete solution – a new component, a new design or a new application.

If **individual product solutions** are sought, we are characterized by short response times: that means between the needs analysis, the design and the final implementation are usually only a few months. Nothing is impossible.

This is very much appreciated by our satisfied customers with whom we have a very open and very honest relationship. Personal contact is our top priority.



Steel Shotblaster S125E

Small handheld shot blaster for a wide range of horizontal and vertical applications. Compact and robust design as well as easy handling make it possible to use even in hard-to-reach areas. For vertical applications, IMPACTS recommends the use of a balancer.

AREA OF APPLICATION

Small steel surfaces, e.g. stair landings, platforms, loading ramps, weld seams, etc.

SPECIAL FEATURES

- Designed for a wide range of horizontal and vertical applications
- Easy handling

RECOMMENDATION

A balancer is recommended for vertical applications. Optimum blasting performance when used in combination with the IMPACTS Dustcom DC1001AR-LP or VonArx S2 filter system (depending on the required hose length).

Specifications	
Model	Steel Shotblaster S125E
Blasting power	Blast wheel 1.35 kW
Travel speed	Manually
Power supply	230 V / 50 Hz, CEE 16 A Schuko plug
Working width	125 mm
Blasting capacity	Up to 2.5m ² / h on steel with purity grade SA2.5
Vibration value at the handle	< 2.5 m / s
L x W x H (mm)	500 x 170 x 350
Weight	11 kg



Steel Shotblaster S210E75R-SB

The compact and robust design as well as the easy handling make it possible to use it even in hard-to-reach areas. The powerful three-phase drive enables continuously variable travel speed.

AREA OF APPLICATION

Small steel surfaces, e.g. stair landings, platforms, loading ramps, cabins and balconies on cruise ships, weld seams, etc.

SPECIAL FEATURES

- Powerful blast wheel motor 7.5KW
- Drive system designed for use on steel
- Height-adjustable steering lever with integrated controls
- Extremely good handling

RECOMMENDATION

Optimum blasting performance is achieved when used in combination with the VonArx S3 filter system.

Specifications	
Model	Steel Shotblaster S210E75R-SB
Blasting power	Blast wheel 7.5 kW
Travel speed	Continuously variable 0 – 12 m / min
Power supply	400 V / 50 Hz, CEE 16A
Working width	210 mm
Blasting capacity	Up to 15m ² / h on steel with purity grade SA2.5
Vibration value at the handle	< 2.5 m / s
L x W x H (mm)	1,100 x 300 x 1,000
Weight	125 kg



Steel Shotblaster S250VE

Compact, powerful vertical blast machine with optimized separation system. The combination of the powerful wheel motor and lightweight design makes the S250VE highly efficient for vertical steel applications.

AREA OF APPLICATION

Vertical steel surfaces, ship walls and tanks, steel bridges, offshore structures, and other vertical steel applications.

SPECIAL FEATURES

- Powerful blast wheel motor 11 kW
- Optimized separation system for maximum efficiency
- Winch-controlled operation for safe vertical work

RECOMMENDATION

In order to reach the optimal blasting capacity and performance, it is recommended to use the Streamer S250VE together with the IMPACTS dust collector Dustcom DC2725-SB. (depending on the required hose length).

Specifications	
Model	Steel Shotblaster S250VE
Blasting power	Blast wheel 11 kW
Travel speed	Up to 9 m / min
Power supply	400 V / 50 Hz, CEE 32A
Working width	250 mm
Blasting capacity	Up to 25 m ² / h on steel with purity grade SA2.5
Vibration value at the handle	< 2.5 m / s
L x W x H (mm)	1,260 x 544 x 681
Weight	350 kg (with abrasive)

STEEL SHOTBLASTERS



Steel Shotblaster S320E110R-SB

Compact, powerful machine with special technical modifications for application on steel.

AREA OF APPLICATION

Small to large steel surfaces, e.g. loading ramps, steel bridges, steel tanks (can be partially inserted through a 600 mm manhole), ship decks, etc. Thanks to its low weight, it can also be used on floating roofs

SPECIAL FEATURES

- Flexible blast head seal for passing over weld seams and overlaps
- Drive system designed for use on steel
- Height-adjustable steering lever with integrated controls for the drive
- Newly developed "Side-Force" lining system, improved wear protection
- Powerful drive
- Optimized weight

RECOMMENDATION

Optimum blasting performance when used in combination with the IMPACTS Dustcom DC2725-SB filter system.

Specifications	
Model	Steel Shotblaster S320E110R-SB
Blasting power	Blast wheel 11 kW
Travel speed	0 – 12 m / min
Connection values	400V / 50Hz, CEE 32A
Working width	320 mm
Blasting capacity	Up to 30 m ² / h on steel with cleanliness wheel SA2.5
Vibration value at the handle	< 2.5 m / s
LxWxH (mm)	1,407 x 488 x 1,125
Weight	270 kg



Steel Shotblaster S410E-SB

Powerful blasting machine with special technical modifications for use on steel.

AREA OF APPLICATION

Large steel surfaces, steel bridges, ship decks, etc.

SPECIAL FEATURES

- Powerful blast wheel drive, 22 kW
- Drive system designed for use on steel
- Newly developed "Side-Force" lining system, improved wear protection
- Compact design
- Powerful drive including brake
- Optimized weight
- Height-adjustable steering lever with integrated controls for the drive

RECOMMENDATION

Optimum blasting performance is achieved when used in combination with the IMPACTS Dustcom DC2725-SB filter system.

Specifications	
Model	Steel Shotblaster S410E-SB
Blasting power	Blast wheel 22 kW
Travel speed	0 – 20 m / min
Power supply	400 V / 50 Hz, CEE 63 A
Working width	405 mm
Blasting capacity	Up to 60 m ² / h on steel with SA2.5 purity
Vibration value on the handle	< 2.5 m / s
L x W x H (mm)	1,463 x 589 x 1,297
Weight	477 kg



Steel Shotblaster S410E 220R-SB

Compact, powerful blasting machine, specially designed for use in steel tanks.

AREA OF APPLICATION

Large steel surfaces, steel bridges, ship decks, especially steel tanks, fit in parts through a 600 mm manhole, without interfering with the electrical system.

SPECIAL FEATURES

- Powerful blast wheel drive, 22 kW
- Flexible blast head seal for passing over weld seams and overlaps
- Can be inserted through a 600 mm manhole without disconnecting an electrical connection
- Drive system designed for use on steel
- Newly developed "Side-Force" lining system, improved wear protection

RECOMMENDATION

Optimum blasting performance is achieved when used in combination with the IMPACTS Dustcom DC2725-SB filter system.

Specifications	
Model	Steel Shotblaster S410E 220R-SB
Blasting power	Blast wheel 22 kW
Travel speed	0 – 6.4 m / min
Power supply	400 V / 50 Hz, CEE 63 A
Working width	405 mm
Blasting capacity	Up to 60 m ² / h on steel with SA2.5 purity
Vibration value at the handle	< 2.5 m / s
L x W x H (mm)	1,850 x 540 x 1,050
Weight	485 kg

STEEL SHOTBLASTERS



Steel Shotblaster S800E-AS

Compact, extremely powerful blasting machine (2 x 22 kW), specially designed for use on large horizontal steel surfaces.

AREA OF APPLICATION

Large steel surfaces, steel bridges, ship decks, etc.

SPECIAL FEATURES

- Powerful blast wheel drive, 2 x 22 kW
- Drive system designed for use on steel
- Newly developed "Side-Force" lining system, improved wear protection
- Height-adjustable steering lever, with integrated controls for the drive

RECOMMENDATION

Optimum beam performance is achieved in combined. Use with filter system IMPACTS Dustcom DC2725-SB achieved.

Specifications	
Model	Steel Shotblaster S800E-AS
Blasting power	Blast wheel 2 x 22 kW
Travel speed	0 – 20 m / min
Power supply	400 V / 50 Hz, CEE 125 A
Working width	800 mm
Blasting capacity	Up to 120 m ² / h on steel with SA2.5 purity
Vibration value at the handle	< 2.5 m / s
L x W x H (mm)	1,970 x 935* x 1,363
Weight	825 kg



VA S1

The VonArx S1 is a compact and versatile industrial vacuum cleaner specifically designed for handling very fine and toxic dust. Equipped with a continuous Longopac® collection system, it ensures high efficiency and easy waste disposal.

The VonArx S1 features an automatic filter cleaning system for uninterrupted suction power. Ideal for environments requiring high security and advanced filtration standards.

SPECIAL FEATURES

- Easy to handle
- High filtration class H14
- Automatic cleaning

Specifications	
Model	VA S1
Engines	1
Power consumption	1.1 kW
Power supply	230 V / 50 Hz, CEE 16A Schuko plug
Air flow rate	200 m3 / h
Cleaning	Automatically when suction power >140 mbar
Filter medium / area / dust class	Primary filter PTFE / 1 m ² / M Secondary filter HEPA / 1.12m ² / H14
Vol. dust container	20 meters Longopac®
Dust hose connection	50 mm
L x W x H (mm)	527 x 436 x 1,121
Weight	26 kg



VA S2

Powerful, single-phase vacuum cleaner that easily handles even the most difficult cleaning tasks. With its 1,200-watt motor, this vacuum cleaner offers unmatched power and efficiency.

Despite its robust performance, the VonArx S2 remains comfortably portable, has a manageable weight, and can be easily moved wherever you need it most.

SPECIAL FEATURES

- Longopac® dust collection
- 2-stage industrial bypass motors
- Jet pulse filter cleaning
- Hepa13 certified Hepa filter

Specifications	
Model	VA S2
Engines	2
Power consumption	2.4 kW
Power supply	230V / 50 Hz, CEE 16A Schuko plug
Air flow rate	400 m3 / h
Cleaning	Jet-Pulse filter cleaning
Filter medium / area / dust class	Primary filter PTFE (Teflon coated) / 3 m ² / L Secondary filter HEPA / 3.6 m ² / H13
Vol. dust container	20 meters Longopac®
L x W x H (mm)	761 x 547 x 1,300
Weight	52 kg



VA S3

Powerful, single-phase vacuum cleaner that easily handles even the most difficult cleaning tasks. With its 1,200-watt motor, this vacuum cleaner offers unmatched power and efficiency.

Despite its robust performance, the VonArx S3 remains comfortably portable, has a manageable weight, and can be easily moved anywhere you need it most.

SPECIAL FEATURES

- Longopac® dust collection
- 2-stage industrial bypass motors
- Jet pulse filter cleaning
- Hepa13 certified Hepa filter

Specifications	
Model	VA S3
Engines	3
Power consumption	3.6 kW
Power supply	230V / 50 Hz, CEE 16A Schuko plug
Air flow rate	600 m3 / h
Cleaning	Jet-Pulse filter cleaning
Filter medium / area / dust class	Primary filter PTFE (Teflon coated) / 4.5 m ² / L Secondary filter HEPA / 3.6 m ² / H13
Vol. dust container	20 meters Longopac®
L x W x H (mm)	843 x 622 x 1,520
Weight	75 kg



Dustcom DC2725-SB

Compact, powerful filter system for the operation of medium to large surface processing machines. Innovative details ensure optimized processes on the construction site.

SPECIAL FEATURES

- Central locking of the dust container
- Large, ergonomically designed dust container
- Pluggable, replaceable dust hose connection
- No protruding attachments or edges
- Optimized proportions with maximum performance and lowest possible weight
- Lashing and crane eyes
- Electro-pneumatic compressor control

Specifications	
Model	Dustcom DC2725-SB
Engines	1
Power consumption	5.5 kW
Power supply	400 V / 50 Hz, CEE 32A
Air flow rate	1,800 m3 / h
Cleaning	Continuous, pneumatic
Filter medium / area / dust class	5 filter cartridges / tot. 27.5 m ² / m
Vol. dust container	105 liters
Dust hose connection	130 mm, others on request
L x W x H (mm)	1,110 x 802 x 1,228
Weight	273 kg

NEEDLE SCALERS

VonArx needle scalers are the world famous pneumatic needle scalers designed for cleaning, derusting, roughening, descaling, clarifying, smoothing and hardening metal, concrete and stone surfaces.

These pneumatic tools quickly remove rust, dirt, welding slag, etc.

They particularly clean uneven surfaces.

The tools' flexible needles allow you to work on any surface, even those with overhangs. Available with 2, 3 or 4 mm needles.



12 B	
Weight	1.3 kg (2.9 lbs)
Connection thread	G 3 / 8"
Needles ø 3 mm	12 pieces, pointed
Air consumption	96 l / min (3.4 cfm)
Air pressure	max. 6 bar (85 psi)
Vibration value on the handle	12.40 m / s ²
Sound pressure level	≤ 100.7 dB (A)
Noise level	101 dB (A)



NP23	
Weight	2.6 kg (5.7 lbs)
Connection thread	G 3 / 8"
Needles ø 3 mm	12 pieces, pointed
Air consumption	100 l / min (3.5 cfm)
Air pressure	max. 7 bar (100 psi)
Vibration value at the handle	5.48 m / s ²
Sound pressure level	≤ 100.7 dB (A)
Noise level	109 dB (A)



NP 23 K	
Weight	2.2 kg (4.9 lbs)
Connection thread	G 1 / 4"
Needles ø 3 mm	19 pieces, blunt
Air consumption	100 l / min (3.5 cfm)
Air pressure	max. 7 bar (100 psi)
Vibration value on the handle	8.91 m / s ²
Sound pressure level	≤ 100.7 dB (A)
Noise level	109 dB (A)



23 BG	
Weight	2.0 kg (4.4 lbs)
Connection thread	G 3 / 8"
Needles ø 3 mm	19 pieces, pointed
Air consumption	100 l / min (3.5 cfm)
Air pressure	max. 7 bar (100 psi)
Vibration value on the handle	16.90 m / s ²
Sound pressure level	≤ 100.7 dB (A)
Noise level	101 dB (A)



23 B	
Weight	2.2 kg (4.9 lbs)
Connection thread	G 3 / 8"
Needles ø 3 mm	19 pieces, pointed
Air consumption	100 l / min (3.5 cfm)
Air pressure	max. 7 bar (100 psi)
Vibration value on the handle	12.90 m / s ²
Sound pressure level	≤ 100.7 dB (A)
Noise level	101 dB (A)



34 B	
Weight	2.9 kg / 6.4 lbs
Connection thread	G 3 / 8"
Needles ø 3 mm	28 pieces, pointed
Air consumption	125 l / min, 4.4 cfm
Air pressure	max. 7 bar (100 psi)
Vibration value on the handle	8.91 m / s ²
Sound pressure level	≤ 100.7 dB (A)
Noise level	101 dB (A)



NP34	
Weight	3.2 kg (7.0 lbs)
Connection thread	G 3 / 8"
Needles ø 3 mm	28 pieces
Air consumption	125 l / min (4.4 cfm)
Air pressure	max. 7 bar (100 psi)
Vibration value on the handle	6.48 m / s ²
Sound pressure level	≤ 100.7 dB (A)
Noise level	109 dB (A)

NEEDLE SCALERS

NEEDLE SCALERS



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NP 34 K

Weight	3.0 kg (6.6 lbs)
Connection thread	G 1 / 4"
Needles ø 3 mm	28 pieces, blunt
Air consumption	125 l / min (4.4 cfm)
Air pressure	max. 7 bar (100 psi)
Vibration value at the handle	9.61 m / s ²
Sound pressure level	≤ 100.7 dB (A)
Noise level	109 dB (A)



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arx**

45 B

Weight	4.8 kg (10.6 lbs)
Connection thread	G 3 / 8"
Needles ø 3 mm	49 pieces, pointed
Air consumption	158 l / min (5.6 cfm)
Air pressure	max. 7 bar (100 psi)
Vibration value at the handle	20.90 m / s ²
Sound pressure level	≤ 100.7 dB (A)
Noise level	101 dB (A)



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34 BGV

Weight	5.7 kg / 12.6 lbs
length	1,750 mm (69")
Connection thread	G 3 / 8"
Needles ø 3 mm	28 pieces, pointed
Air consumption	125 l / min (4.4 cfm)
Air pressure	max. 7 bar (100 psi)
Vibration value on the handle	9.63 m / s ²
Sound pressure level	≤ 100.7 dB (A)
Noise level	101 dB (A)



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arx**

45 BGV

Weight	4.8 kg (10.6 lbs)
length	1,800 mm (71")
Connection thread	G 3 / 8"
Needles ø 3 mm	49 pieces, pointed
Air consumption	158 l / min (5.6 cfm)
Air pressure	max. 7 bar (100 psi)
Vibration value on the handle	16.20 m / s ²
Sound pressure level	≤ 100.7 dB (A)
Noise level	101 dB (A)

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