

KALTENBACH

HIGH PERFORMANCE

KALTENBACH SHOTBLAST AND PAINTING SYSTEMS

QUALITY BY
GIETART
NOW AT
KALTENBACH

REQUIREMENTS MAY CHANGE WITH TIME.

BUT REAL QUALITY IS ALWAYS UP-TO-DATE.









OVER 125 YEARS. A COMPANY AT HER BEST AGE.

Processing materials, sawing or drilling, welding or burning them, one is not working just for the moment, but rather creating for the future. Whilst processing such durable materials, one is relying on a long-term partnership.

We provide high-quality and powerful machines, which provide you with reliability in production – and reliable people, who will support you with long-term assurance.

Lasting values have a long tradition at KALTENBACH. More than 125 years of experience have shown us: how to find the right solution together with our customers.

In 2009 KALTENBACH acquired the business Gietart Machinefabriek B.V. and founded KALTENBACH Shotblasting & Painting Systems B.V.

In this product folder you will find information regarding the range of applications, from individual components to technical data and special advantages. Every machine from KALTENBACH comes installed with the expertise, skills and best system consultancy of our staff whether in Sales or Technical Services and Support.

For all questions and in every case, you can rely on the fact: we are always here to support you.

PRODUCT PORTFOLIO

The scope of the KALTENBACH product portfolio is vertical and horizontal. In addition to band sawing machines, plate processing centres, profile drilling machines, coping and welding robots, punching and shearing systems, KALTENBACH also manufactures circular sawing machines, shotblast systems and painting machines. With this product portfolio, KALTENBACH acts as a system provider to offer its clients customised solutions. Our high performance machines, together with over 125 years of accumulated knowledge and high quality consulting, help KALTENBACH's customers improve productivity and efficiency.

This KALTENBACH product catalogue covers solutions for all areas of shotblasting and painting, which can be used for stand alone products as well as combinations of other KALTENBACH products.

You will find information on other products at: www.kaltenbach.com

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1 SPRINT shotblast machine combined with saw and drill machine for processing steel sections.
2 Construction blasters for blasting welded constructions.
3 Preservation line for shotblasting and painting, steel plates, steel sections and tubes.

SHOTBLAST SYSTEMS

Rust. Mill scale. Impurities. Before steel is fit to be processed it has to be cleaned (read: shotblasted). This is carried out by hurling shot, like small metal balls or cut wire, against the product at a velocity of approximately 80 Mtr/s. Besides cleaning plates or profiles more and more companies are also shotblasting welded constructions. In this way they optimize the result even after fabrication. KALTENBACH has the right solution for both possibilities.

- SPRINT SERIES
  Cost effective shotblast systems for cleaning plates, profiles and tubes.
- MARATHON SERIES
  The Long Distance Runner. Powerful shotblast systems for cleaning plates, profiles and tubes.
- TRIATHLON SERIES
  When steel is also welded to a complete construction, we offer the all-rounder. Shotblast systems for cleaning plates, profiles, tubes as well as welded constructions.
- SYSTEM INTEGRATION & CUSTOMIZED SOLUTIONS
  Shotblast Solutions for your individual needs.

SPRINT 1504 | 1506 | 2506 | 3008

THE SPRINTER







22 mm thick triple layer housing for high stability, high resistance to wear and bolted for easy exchange.



Outside access and easy exchange of in- and out feed rubber curtains (not SPRINT 3008).



Direct driven twin disc turbines with 8 blades.



Optimal air filtration by latest generation highly effective exhaust plant.



Solid hardened transport rolls inside the blaster. Turbines positioned not in line with each other to avoid individual interference.



Multi-level cascade air cleaner for ideal separation of dust and mill scale from abrasive to achieve dust free, reusable abrasive for optimal cleaning effect and minimal wear to the machine.

The SPRINT is the standard model and is ideally suited for shotblasting steel plating, profiles and tubes. The turbines are placed perpendicular to the transport direction of the conveyor to achieve the highest quality of cleaning. The SPRINT range pays for itself when you have an annual shotblasting requirement of up to 20,000 tonnes. The SPRINT range of machinery pays for the initial investment quickly, even if you are not running 5 day 3 shift operations at present. The SPRINT machine with its high quality, hard wearing characteristics and reliability is the perfect companion to reach full production – even towards 3 shifts.

ADVANTAGES AT A GLANCE

- 4 to 8 turbines (11 kW each)
- Triple housing of the shotblasting machine:
  - the outer hull is made of construction steel and ensures high stability of the entire system through its bolted manganese lining
  - high resistance to wear
  - the manganese lining can be quickly and easily exchanged when worn
  - total minimum 22 mm steel
- Hardened solid transport rollers
- Abrasive cleaner
  - optimum, multi-level cascading air cleaner removes dust and scale from shotblasting abrasive
  - good shotblasting results even with repeated use of the abrasive
  - the first step to low running cost
  - reduces your abrasive consumption
- Abrasive removal by integrated brush/blow-off system
- Ideal maintenance friendly multiple service accesses
- Most economical machine in the market

APPLICATIONS

- Steel construction
- Steel service centre
- Surface treatment service centre - subcontracting
- Automotive sector
- Machine construction
- Crane manufacturer
- Shipyard
- Plate processing





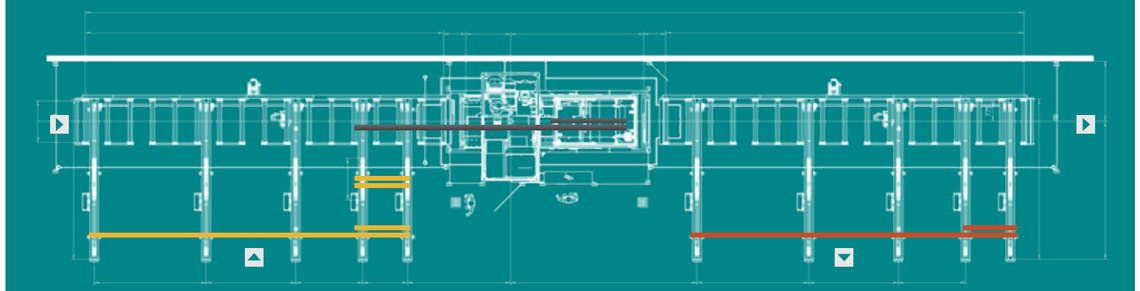
FEED VARIANTS

SPRINT 1504 | 1506 | 2506 | 3008

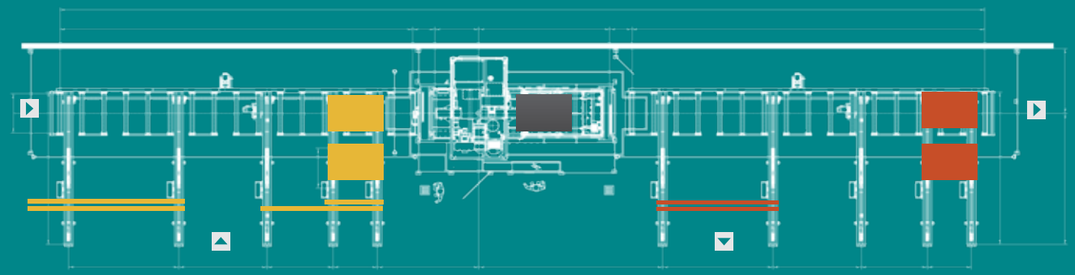
The modular construction of the SPRINT makes all four installation variants possible without additional costs and adjustments.

- **Material to be processed**
- **Material in processing**
- **Processed material**

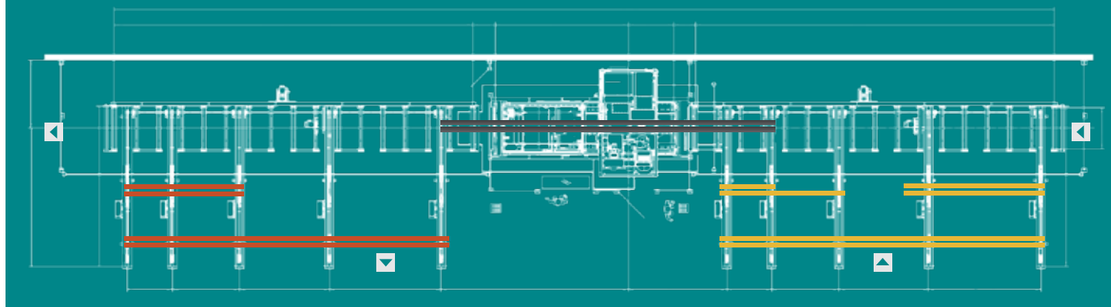
Right hand feed - elevator left



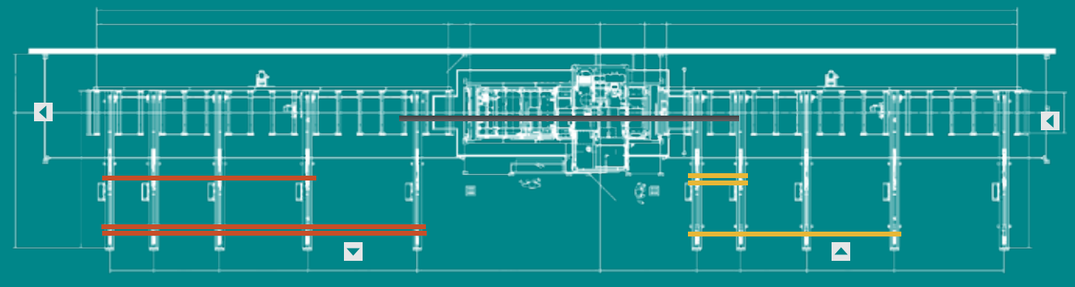
Right hand feed - elevator right



Left hand feed - elevator left



Left hand feed - elevator right



OPTIONS

SPRINT 1504 | 1506 | 2506 | 3008

Automatic brush blow-off system positioned behind the blaster for removing abrasive from plates and out of profiles. Consisting single frame construction in which baffle plate/screw conveyor, rotating brush and cross stream ventilator are integrated. Frame adjustable in 5 mm steps and designed for continuous operation under high production demands.



Easily removeable noise isolation panels to reduce noise output to 85 dBA. Due to the modular machine design the noise isolation panels are optional integrated parts of the machine to achieve very compact space saving as well as a maintenance friendly solution.



Automatic height adjustment for the brush-/blow unit off via photocells, positioned in front of the shotblaster as well as a selection switch plate/profile for the optimal height for the brush. In combination with the individual driven inlet roller conveyor, continuous processing of material is guaranteed as the height adjustment system is automatically preserving the required distance between the batches to be processed.





To clean short pieces such as flame cut metal parts or tubes a high pressure fan integrated into a frame can be added to the blaster. Adjustable in height to the material for achieving optimal cleaning result.



A shotblast machine needs to be refilled frequently with new abrasive to maintain an optimal operating mix of abrasive to guarantee the perfect cleaning effect. The automatic KALTENBACH refilling system is monitoring the filling level of the abrasive container of the machine and feeding additional abrasive out of a separate container when required.



Machine design enables processing of heavy, thin and short materials as the machine is prepared for short roller distances, frequency inverters as well as abrasive volume control on the turbines.

MARATHON 1506 | 2506 | 3008 | 4008

THE LONG DISTANCE RUNNER







Machines with entrance dimensions starting from 2500 mm upwards are standard equipped with measuring systems of the material width (1), in combination with adjustable turbines (2).



The blast pattern of the turbines is automatically adjusted to the material offered to the machine to avoid ineffective blasting and additional wear to the machine.



26 mm thick triple layer housing for high stability, high resistance to wear and bolted for easy exchange.



Easy accessable heavy duty indirect v-belt driven twin disc turbines with 8 blades. KALTENBACH uses a sub-frame for the assembly of the turbines for even better stability of the machine, thereby reducing oscillations and noise hindrance. The KALTENBACH high capacity turbines are statically and dynamically balanced.



Multi-level cascade air cleaner for ideal separation of dust and mill scale from abrasive to achieve dust free, reusable abrasive for optimal cleaning effect and minimal wear to the machine.

Designed for more heavy duty work, the MARATHON range is ideal for higher conveyor speeds and heavier loads. It is typically used by larger steel traders or steel constructors working multiple shifts as well as rolling mills and plate steel users. If the standard triple casing is not sturdy enough, we have the option to build with extra thick manganese steel.

ADVANTAGES AT A GLANCE

- 6 to 8 turbines (15 – 22 kW each, optional 30 - 55 kW)
- Triple housing of the shotblasting machine:
  - the outer hull is made of construction steel and ensures high stability of the entire system through its bolted manganese lining
  - high resistance to wear
  - the manganese lining can be quickly and easily exchanged when worn
  - total minimum 26 mm steel
- Hardened solid transport rollers
- Abrasive cleaner
  - optimum, multi-level cascading air cleaner removes dust and scale from shotblasting abrasive
  - good shotblasting results even with repeated use of the abrasive
  - the first step to low running cost
  - reduces your abrasive consumption
- Abrasive removal by integrated brush/blow-off system
- Maintenance and user friendly

APPLICATIONS

- Steel construction
- Steel service centre
- Surface treatment service centre
  - subcontracting
- Automotive sector
- Machine construction
- Crane manufacturer
- Shipyard
- Plate processing
- Rolling mill



Typical part to be shotblasted with the MARATHON.

OPTIONS

MARATHON 1506 | 2506 | 3008 | 4008

For processing heavy, thin and short materials the machine can be equipped with short roller distances frequency inverters as well as abrasive volume control.



A shotblast machine needs to be refilled frequently with new abrasive to maintain an optimal operating mix of abrasive to guarantee the perfect cleaning effect. The automatic KALTENBACH refilling system is monitoring the filling level of the abrasive container of the machine and feeding additional abrasive out of a separate container when required.



Automatic brush/blow-off system positioned behind the blaster for removing abrasive from plates and from sections. Consisting single frame construction in which baffle plate/screw conveyor, rotating brush and cross stream ventilator are integrated. Frame adjustable in 5 mm steps and designed for continuous operation under high production demands.





As the elevator belt has to be tensioned frequently, an automatic tensioning device for the elevator belt can be offered, to reduce maintenance costs and guarantee consistent functionality.



Noise reducing cabinet around the shotblast machine.

TRIATHLON 1508 | 3010 | 3010 HD

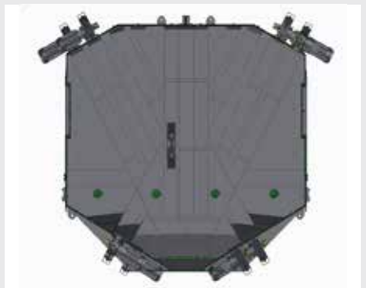
BLASTING IN 3-DIMENSIONAL SPACE







An additional slide at the inlet and outlet side of the machine enables processing of variable material heights.



TRIATHLON machines feature a symmetrically blasting pattern with a minimum of 8 turbines arranged at an angle for cleaning all sides of complex welded constructions.



Easy accessible twin disc turbines with 8 blades. KALTENBACH uses a sub-frame for the assembly of the turbines for even better stability of the machine, thereby reducing oscillations and noise hindrance.



Manganese lining covered walls and short roller distance allows transport of material lengths starting from 2500 mm upwards.



Elevator equipped with easily adjustable sub frame for tensioning of the elevator belt. Due to the subframe the elevator tensioning is a one man job by adjusting only one bolt (1).



Optimal air filtration by highly effective exhaust plant.

The TRIATHLON is designed for shotblasting steel constructions. Its turbines are arranged diagonally to the direction of passage to ensure it reaches all angles and crevices of the construction. The KALTENBACH TRIATHLON machines come complete with a roller conveyor. The parts to be shotblasted must be suitable for transport by the roller conveyor or should be specially prepared, possibly by means of an auxiliary support. This horizontal construction of the shotblasting machine facilitates faster loading and unloading of the inlet and outlet roller conveyors, which are integrated in the shotblast line. The TRIATHLON can also be used for pre-blasting of trade beams, plates, pipes etc, this makes the machine suitable for universal application.

ADVANTAGES AT A GLANCE

- 8 to 16 turbines (15 – 22 kW each) – arranged diagonally to direction of movement
- Complete shotblasting of steel fabricated beams and sections including standard structural steel sections and plates
- Triple housing of the shotblasting machine:
  - the outer hull is made of constructed steel and ensures high stability of the entire system through its bolted manganese lining
  - high resistance to wear
  - the manganese lining can be quickly and easily exchanged when worn
  - total minimum 22 mm steel
- Hardened solid transport rollers
- Abrasive cleaner
  - optimum, multi-level cascading air cleaner removes dust and scale from shotblasting abrasive
  - good shotblasting results even with repeated use of the abrasive
  - the first step to low running cost
  - reduces abrasive consumption
- Abrasive removal by integrated brush/blow-off system
- Maintenance and user friendly

APPLICATIONS

- Steel construction
- Surface treatment service centre - subcontracting
- Automotive sector
- Machine construction
- Crane manufacturer
- Plate processing



Typical trailer part to be shotblasted in a TRIATHLON.

OPTIONS

TRIATHLON 1508 | 3010 | 2010 HD

A shotblast machine needs to be refilled frequently with new abrasive to maintain optimal operating mix of abrasive to guarantee the perfect cleaning effect. The automatic KALTENBACH refilling system is monitoring the filling level of the abrasive container of the machine and feeding additional abrasive out of a separate container when required.



Inlet and outlet tunnel extensions contribute to flexible machine use in combination with optimal abrasive recovery.



Automatic brush/blow-off system positioned behind the blaster for removing abrasive from plates and from sections. Consisting single frame construction in which baffle plate/ screw conveyor, rotating brush and cross stream ventilator are integrated. Frame adjustable in 5 mm steps and designed for continuous operation under high production demands.





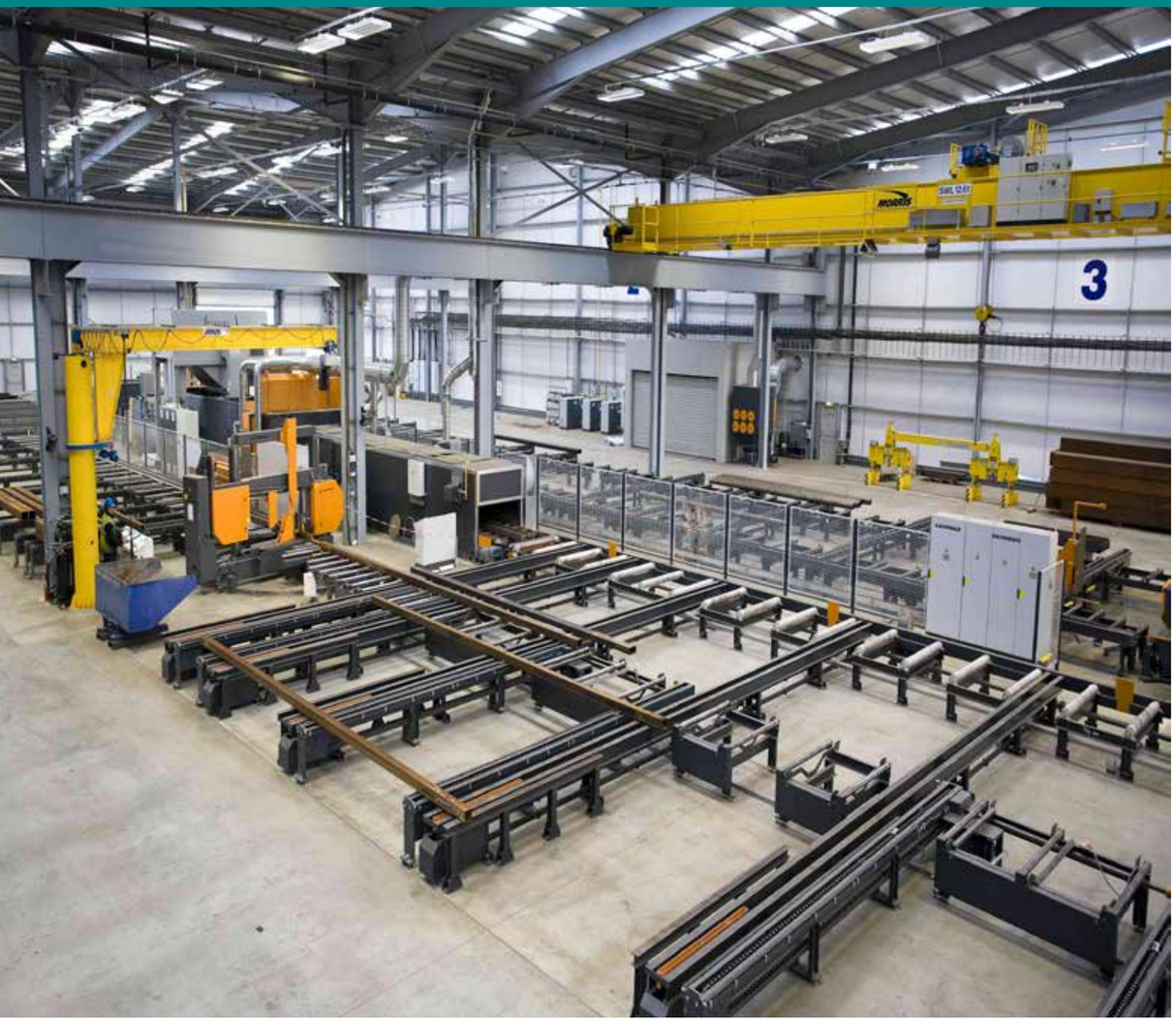
For effective and quick abrasive recovery, multiple hopper fields within the transport system are possible.



Noise reducing cabinet around the machine.

SYSTEM INTEGRATION

THE TOTAL DESIGN CONSULTANCY



Listening to our customer needs within the different industry fields during our years of existence, contributes to the fact that KALTENBACH specialises in total system integration. As our customer, you will discover our experience, knowledge and consultancy created together, present the most efficient production process especially in the field of steel stockholding and steel fabrication. We understand the different needs and market approaches and therefore the demands in respect of different workshop set ups.

Interconnecting our handling systems between the different KALTENBACH processing machines is not only aimed at increasing your productivity and saving man-hours, it is our daily business. Hand operated or extended to a full CNC controlled and automated processing line, KALTENBACH has numerous of operating layouts in all possible configurations which saves you money.

Challenge us! Experience first-hand KALTENBACH's powerful solutions and passionate people.

CUSTOMIZED SOLUTIONS

CONSTRUCTED TO MEET YOUR INDIVIDUAL NEEDS



Besides our standard range of machinery we offer you our experience in shotblasting, to set up customized solutions to solve individual shotblasting needs.

High production and surface cleaning, often demands innovative solutions for shotblasting of flexible construction parts, prior to the secondary process (painting/conservation).

References, especially in industry branches such as agricultural machinery and yellow goods, as well as trailer manufacturing, highlight our expertise in this field.

Please contact us for further information.

TECHNICAL DATA OF SHOTBLAST SYSTEMS
AT A GLANCE

HARD FACTS	SPRINT 1504	SPRINT 1506	SPRINT 2506	SPRINT 3008	MARATHON 1506	MARATHON 2506	MARATHON 3008	MARATHON 4008	TRIATHLON 1508	TRIATHLON 3010	TRIATHLON 3010 HD
Part range	Beams, metal sheets, pipes/tubes	Beams, metal sheets, pipes/tubes	Beams, metal sheets, pipes/tubes	Beams, metal sheets, pipes/tubes	Beams, metal sheets, pipes/ tubes	Beams, metal sheets, pipes/tubes	Beams, metal sheets, pipes/tubes	Beams, metal sheets, pipes/tubes	Steel constructions, Beams, metal sheets, pipes/tubes	Steel constructions, Beams, metal sheets, pipes/tubes	Steel constructions, Beams, metal sheets, pipes/tubes
Max. part width [mm]	1500	1500	2500	3200	1500	2500	3200	4000	1500	3000	3000
Max. part height [mm]	600	600	600	600	600	600	600	600	800	1600	1600
Passage range [mm]	1600 x 650	1600 x 650	2600 x 650	3300 x 380 / 2500 x 630	1600 x 650	2600 x 650	3300 x 380 / 2500 x 630	4100 x 450 / 2000 x 650	1600 x 900	3100 x 1700	3100 x 1700
Number of turbines	4	6	6	8	6	6	8	8	8	10	10
Drive performance per turbine [kW]	11	11	11	11	15-22	15-22	15-22	15-22	11	11	15-22

FEATURES	SPRINT 1504	SPRINT 1506	SPRINT 2506	SPRINT 3008	MARATHON 1506	MARATHON 2506	MARATHON 3008	MARATHON 4008	TRIATHLON 1508	TRIATHLON 3010	TRIATHLON 3010 HD
Brush-blow-off	●	●	●	●	●	●	●	●	○	○	○
HD blow off instead of brush blow-off	○	○	○	-	-	-	-	-	-	-	-
Outlet tunnel instead of brush blow-off	○	○	○	-	-	-	-	-	-	-	-
Noise isolation 85 dBa covers and silencer	○	○	○	○	-	-	-	-	-	-	-
Noise protection cabin 85 dBa	-	-	-	○	○	○	○	○	○	○	○
Automatic Height Adjustment incl. 1 mtr roller conveyor	○	○	○	○	○	○	○	○	○	○	○
Water blow off	○	○	○	○	○	○	○	○	○	○	○
Short roller distance in the shotblaster	○	○	○	○	○	○	○	○	●	○	●
Refilling container	○	○	○	○	○	○	○	○	○	○	○
Turbine 11 kW (C380)	●	●	●	●	-	-	-	-	●	●	-
Turbine 15 kW (C500)	-	-	-	-	○	○	○	●	-	-	○
Turbine 18,5 kW (C500)	-	-	-	-	○	○	○	○	-	-	○
Turbine 22 kW (C500)	-	-	-	-	●	●	●	○	-	-	●

● = Standard ○ = Optional - = Not possible

PAINTING SYSTEMS

To sell a shotblasting machine is one thing. To deliver a complete shotblasting and surface treatment line is quite another. It is not as simple as it seems to paint freshly shotblasted steel.

Because of the roughness of the material every element has to be exactly balanced in order to obtain a smooth and well-dried paint layer. Optimise the paint use as 2/3 of the total running costs are determined by this. This is a job for the specialists. INTEC. The partner of KALTENBACH for painting systems. Together we offer a complete package. Water blow off units. Ovens that switch off automatically when the roller conveyor is idle or when the chamber is empty. Highly efficient paint sprayers, both for the application of primer and top coating. Energy-saving dryers. Everything you need to clean the steel and preserve it against new corrosion. KALTENBACH will look at your unique situation and advise you.

- PRIMER SERIES SPRINT - PRE FABRICATION
  Cost effective painting and drying systems for plates, profiles and tubes.

- PRIMER SERIES MARATHON - PRE FABRICATION
  The Long Distance Runner. Powerful painting and drying systems for plates, profiles and tubes.

- TOPCOATING SERIES TRIATHLON - POST FABRICATION
  When steel is also welded to a complete construction. We offer the all-rounder. Top coating and drying systems for plates, profiles, tubes as well as welded constructions.

PRIMER SERIES SPRINT + MARATHON 1504 | 2504 | 3004 | 4004

PAINTING AND DRYING IN A SINGLE PACKAGE







Simultaneous application from top and bottom side to achieve complete painting in a single movement.

Paint booth:

- Two moveable spraying bridges for positioning spray guns (4 to 8 units)
- Adjustable width of the spraying process for paint saving application
- Automatic adjustment of the spraying stroke to the feedrate to minimise paint usage
- Bi-lateral optimized airflow ensures uniform application of coating
- Optimized use of paint to achieve economical operation



Energy saving and fully isolated Pre-heaters ensures the right material temperature before painting.

Spray Guns:

- Spray guns apply paint to finished parts using an airless method
- Clogging of the feed and discharge lines is avoided through the continuous circulation of paint in the system
- Automatic height adjustment of the upper spray guns through photoelectric beams for optimum, economical paint application



Paint system package.

Paint System:

- High-pressure pump for paint
- 200-litre drum with mixer
- Drum lid with all necessary connections (e.g. paint extraction device)
- Pneumatic mixing device lifter for easy drum change
- Continuous flow heater for consistent paint temperature

The KALTENBACH PRIMER SERIES SPRINT and MARATHON are constructed to pre-heat, paint and dry not only plates and tubes but also profiles. Together with the KALTENBACH shotblasters they build a complete preservation line. A light curtain detects the material height for adjusting the upper sprayguns automatically to the correct height. A special control for avoiding double coatings and the precise detection of throughput position reduces the overspray to a minimum. The dry booth layout reduces waste volume. Non adhesive foil at the walls and an optimised airflow in the booth simplifies cleaning. A separate fine filter reduces the dust share in the exhaust air to the recommended minimum.

ADVANTAGES AT A GLANCE

- Optimized concept in respect of paint use, drying times and maintenance to achieve economical operation
- Low paint consumption due to ideal spray gun concept
- Complete material painting in a single movement
- Suitable for use with water-soluble and/or solvent-based paints
- Energy & time saving drying process due to ideal combination of multiple air flow loops supported by gas heating, as required, dependant on ambient temperature
- Integrated chain conveyor transport system during drying process for movement free transport of freshly painted material
- Minimized cleaning times
- Extendable with after burning systems

APPLICATIONS

- Steel construction
- Steel service centre
- Surface treatment service centre - subcontracting
- Automotive sector
- Machine construction
- Crane manufacturer
- Shipyard
- Plate processing



TOPCOATING SERIES TRIATHLON 1512 | 2512 | 3012

FINAL PAINTING FOR STEEL PROFILES AND CONSTRUCTIONS







12 paint guns for complete painting in a single movement.

Topcoating:

- Painting of finished welded steel constructions
- Water- or solvent-based painting options
- Highly economical due to low energy and paint costs
- Maintenance and user friendly
- 12 spray guns for painting made-to-measure steel profiles and steel constructions
- Thickness of the paint layer continuously adjustable from 20 up to 160 µm



Painted steel constructions.

Drying Tunnel:

- Dryer with Rockwool insulation in cartridge form
- Adjustable temperature range
- Optimized drying process through circulating air fans
- The drying tunnel is connected to the preheating furnace by means of a duct system, so that the heated air can also be used in the drying process



Reduced overspray through precise contour determination of the surfaces to be coated and exact control of spray guns.

Preheating furnace (optional):

- Two burners
- Extremely low gas consumption
- Adjustable temperature range
- The preheating furnace is connected to the after-dryer by means of a duct system, so heated air can thus be used in the drying process

The new automatic spray painting offers the world's latest in finish coating. It scans the steel structure in 3-dimensions (optional) to identify head and footplates as well as stiffeners.
The parts are painted fully automatically with highest precision - without wasting any paint. This reduces paint consumption as well as the turnaround time due to the short drying time and space requirement.

ADVANTAGES AT A GLANCE

- Paint and time saving solution for top coating of steel constructions. Average processing time for touch dry application approx. 45-60 minutes (depending on material lengths)
- Automated painting process
- 12 paint guns (optionally 24) for complete painting of constructions, top and bottom simultaniously, in a single movement
- Suitable for use with water-soluble and/or solvent-based paints
- Gauge option in preheater and after dryer fitted to the material load
- Energy & time saving drying process due to ideal combination of multiple air flow loops supported by gas heating, as required, dependant on ambient temperature
- Integrated chain conveyor transport system during drying process for movement free transport of freshly painted material
- Extendable with variable in and outfeed systems (roller conveyor as well as chain conveyor) for ideal production flexibility
- Minimized cleaning times
- Extendable with VOC air treatment system

APPLICATIONS

- Steel construction
- Surface treatment service centre - subcontracting



TECHNICAL DATA OF PAINTING SYSTEMS
AT A GLANCE

PRIMER SERIES SPRINT

HARD FACTS	1504	2504	3004	4004
Layer thickness [µm]	15 - 40	15 - 40	15 - 40	15 - 40
Part range [mm]	1600 x 600	2600 x 600	3100 x 600	4100 x 600
Max. part width [mm]	1500	2500	3000	4000
Max. part height [mm]	500	500	500	500
Number of Spray guns	4 (optional 8)	4 (optional 8)	4 (optional 8)	4 (optional 8)

PRIMER SERIES MARATHON

HARD FACTS	1504	2504	3004	4004
Layer thickness [µm]	15 - 40	15 - 40	15 - 40	15 - 40
Part range [mm]	1600 x 600	2600 x 600	3100 x 600	4100 x 600
Max. part width [mm]	1500	2500	3000	4000
Max. part height [mm]	500	500	500	500
Number of Spray guns	4 (optional 8)	4 (optional 8)	4 (optional 8)	4 (optional 8)

TOPCOATING SERIES TRIATHLON

HARD FACTS	1512	2512	3012
Layer thickness [µm]	> 40 - 160	> 40 - 160	> 40 - 160
Part range [mm]	1600 x 700	2600 x 700	3600 x 700
Max. part width [mm]	1500	2500	3000
Max. part height [mm]	600	600	600
Number of Spray guns	12 (optional 24)	12 (optional 24)	12 (optional 24)



TRANSPORT SYSTEMS AND PERIPHERALS

THE MODULAR TRANSPORT SYSTEM FOR IDEAL MATERIAL FLOW

The mature KALTENBACH modular system allows machine tuning to customer-specific requirements. Feed and discharge conveyors are available in different lengths.







Cross transport beams for easy loading and unloading up to 20 m single lengths. Lift and Go system equipped with lifting trolley and power packs per stillage and a lifting height of 120 mm.



Heavy duty double chain drive for more stability.



Integrated automatic bundle system for ready blasted and painted material for easy packing.



Within the roller conveyor integrated automatic alignment system for plates for quick and easy loading by overhead crane.



Special protection plates at the end of the cross stillages to prevent damage by lorries and side loaders.



Special tilting devices to empty blasted pipes from abrasive.

The logistics around the respective shotblast & painting machines greatly effects the productivity of the systems. The transport system by KALTENBACH has a modular construction. The different modules allow adaption of the material flow to suit your needs. Designed for inflexible material transport the systems are perfectly suited to process different materials from profiles up to long lengths of flats.

ADVANTAGES AT A GLANCE

- Operation at the freestanding control panel
- Roller conveyor sections in modular system, executed in solid welded constructions
- Roller conveyor drive 2.2 kW of the feed and discharge side with frequency controlled gear motor. Forward and reverse speed infinitely variable
- Electronic safety switch at the end of the roller conveyor
- Minimal material length: 2.5 metre (optional shorter lengths)



Roller conveyors with feed cross transfers.



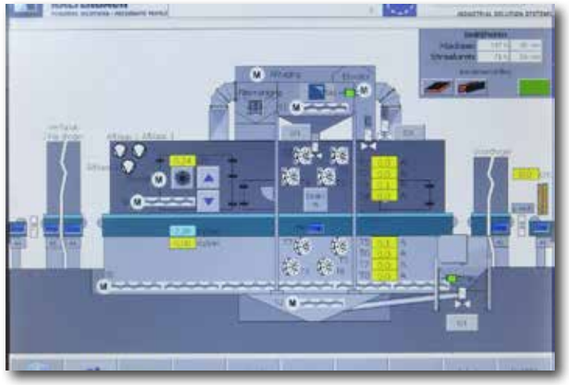
Robust conveyor for the highest standards in the transport of steel profiles and sheets.

OPERATOR CONTROL - SYSTEM AUTOMATION

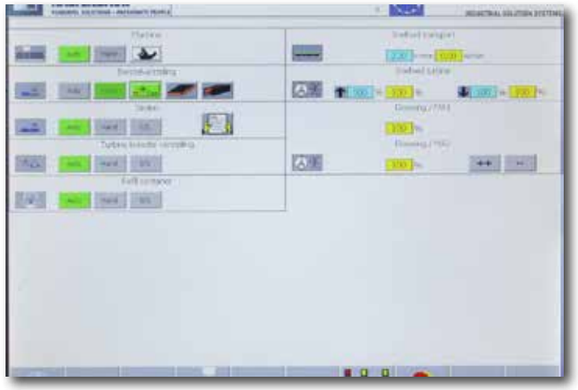
DESIGNED TO MAKE MACHINES EVEN MORE POWERFUL

Modern software package for simple, user friendly machine operation.

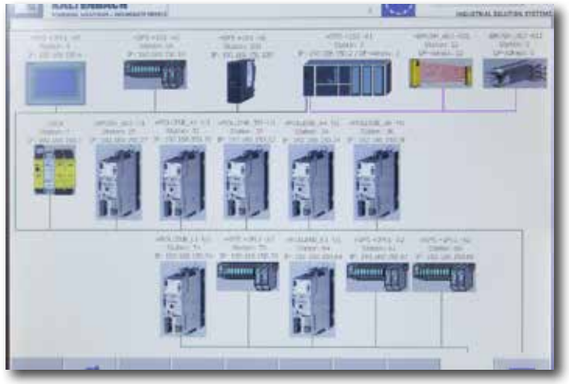
Complete overview of a shotblast system



User friendly operation



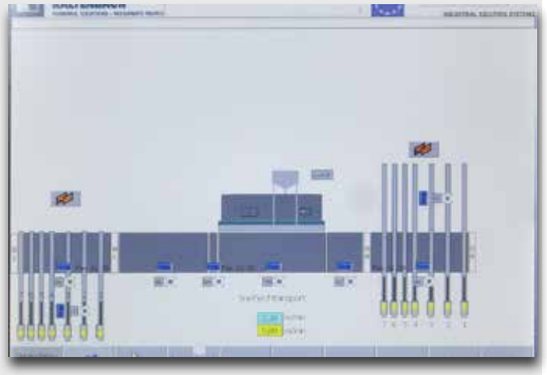
Detailed machine information



The entire operation and programming is managed by a touchscreen using a graphic user interface. A network connection is possible.



Operating panel; both the shotblast and the paint booth can be controlled by one control panel.



Roller conveyor control panel.

Your advantage: the specialist experience of KALTENBACH

Efficiency is the key to success. Everyone wants to work as efficiently as possible.

Automation is needed to get the most out of your machine. And here you can benefit from the vast experience that KALTENBACH can offer. The solution to your needs, we may have already applied to other customers. The specialists at KALTENBACH will ask how your process and logistics are organized. They help you to think about the placement of the machines in the workshop and the best way to tune the processes together. Together we create an exact layout drawing, which indicates the KALTENBACH equipment, and that shows where the machines have to be placed. Through proper alignment you can reduce cycle times and save on personnel costs. Even a complete preservation line can be operated with a minimum of effort from operators.

Complete Processing in one step.

From your database the commands are imported, including the paint selection and required further treatment. Firstly, the material is identified and then loaded automatically, heated, shotblasted, brushed, sprayed, dried and unloaded on the desired position. You get all the information you need, down to the exact consumption of paint. It is also possible to integrate the preservation line in one of the KALTENBACH sawing- and drilling lines. Thus, the complete process of your job is done in one step. The possibilities are virtually unlimited.

Our KALTENBACH specialists discuss your specific needs and provide customized advice.



KALTENBACH TECHNICAL SERVICES

SERVICE YOU CAN RELY ON.







KALTENBACH and KALTENBACH partners offer help and advice, 365 days a year and all around the globe. Whether you want to buy machines or parts, whether you need tools, equipment or maintenance – we'll be there for you.

We aim to offer you the best possible service, by thinking, feeling and acting like you, the customer. And you can help us to make our service even better.

Please contact us at any time.
www.kaltenbach.com



Spare Parts – Original Quality

OUR SPECIALISTS RESPOND, IDENTIFY AND ACT – AS SPEED IS OF THE ESSENCE.

ONLY THE BEST.

KALTENBACH and KALTENBACH partners offer you experience and knowledge. They understand your business and offer you all the products you need for safe operation: the right spare parts, the right tools, the right coolants.

Our field service or helpdesk will determine the best solution for you, our spare parts specialists take care of rapid delivery.
We understand that in production, time is money – that's why our original parts service will help you save both.

Field Service

SAVING TIME AND REDUCING COSTS ARE THE HIGHEST PRIORITIES. IN WORKING WITH US, YOU'LL ACHIEVE THEM BOTH.

ALWAYS HERE TO ASSIST YOU.

Knowledge, experience and passion to support our customers makes our service powerful. Dedicated people working closely with you to keep your machine running smoothly.

If necessary, our field service engineers can be at your site in the quickest possible time. Highly qualified, they identify and act to find the best possible solution together with you. Service, maintenance and aftersales advice complete the package for you – service you can rely on.

Competence Centre

HOW CAN WE HELP YOU? WITH OUR PASSION FOR FINDING SOLUTIONS.

HELPDESK – WE ARE ALWAYS STANDING BY.

Helping you as quickly as possible is the number one priority of our helpdesk. Providing professional support worldwide, our qualified customer service team is there to support and assist you with any machine issues and technical queries.

Whilst our experience shows that 90% of all service enquiries can be resolved over the phone or via online support, we are happy to arrange an engineers visit to your site, whenever the need arises.

KALTENBACH ACADEMY

Nothing feels as good as improving.

We support you in improving and updating your knowledge of the machines to maximise your performance. At the KALTENBACH Academy, our seasoned professionals offer you Customer Training and Consultancy, specifically configured and prepared to suit your industry and application.

Find your individual contact person at:
www.kaltenbach.com

WE PROVIDE:

- a highly efficient logistics network in over 40 countries
- original spare parts directly from the manufacturer
- market oriented prices
- professional advice geared to your specific needs
- coordination of rapid delivery to your location
- consultation regarding preventive maintenance

PROFESSIONALS WORLDWIDE TAKE CARE OF:

- individual, tailored contract terms and maintenance schemes
- troubleshooting
- service
- updates
- machine relocations
- machine changes / upgrades

SERVICE TEAM MEMBERS WILL:

- provide you with technical support in case of machine disruptions with the goal of minimising machine downtime
- provide you with first-time fix or initiate on site assistance
- be responsible for keeping you updated on the problem solving processes

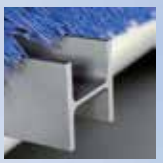
EXPERTS PROVIDE YOU WITH:

- product training / instructions
- safety training
- preventive maintenance training
- maintenance instructions
- internal partner audits
- consultancy (machine operating efficiency, logistics, tools and consumables)



KALTENBACH IS FINDING THE RIGHT SOLUTION. MAYBE IT IS ALREADY THERE.











Big and diverse challenges are waiting in the metal and processing industries. To meet them, one needs systems which are powerful, highly versatile and perform efficiently in the long term. Our machines guarantee the right solution for any requirement – safe effective and reliable:

- BAND AND CIRCULAR SAWING MACHINES
- DRILL-SAW-LINES
- PROFILE DRILLING MACHINES
- PROFILE PROCESSING ROBOTS
- DRILL-BURN-LINES
- PUNCHING AND SHEARING SYSTEMS
- WELDING ROBOTS
- SHOTBLAST SYSTEMS
- PAINTING SYSTEMS
- MARKING SYSTEMS
- MEASURING SYSTEMS
- TRANSPORT SYSTEMS

For further information and to find our worldwide affiliates please visit:
WWW.KALTENBACH.COM

Product videos:
WWW.YOUTUBE.COM/KALTENBACHGROUP

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Technical data are subject to change. Errors excepted. 05/2015