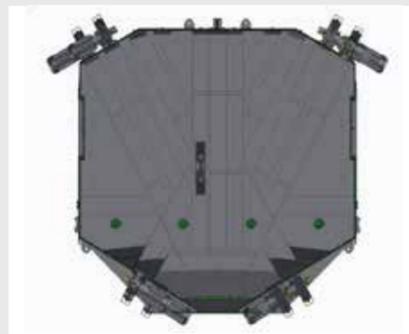


TRIATHLON 1508 | 3010 | 3010 HD

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	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