AGTOS®

- Blast machines
- Second-hand machines
- Conveyor systems
- Service and spare parts

Roller Conveyor Blast Machine

Roller conveyor blast machines are used to remove scale and rust from metal sections, metal sheets and constructions. By combining a roller conveyor with the appropriate cross-over conveyors, individual process steps such as blasting, conservation, sawing and drilling can be interlinked. This ensures a flexible manufacturing process and a high material rate.

Advantages of the *AGTOS* roller conveyor blast machines:

- ➜ Reliable blasting technology
- ➜ Easy to maintain
- ➜ Innovative filtering technology
- ➜ Automation through adjustment to the transport system in the facility

Important advantages of the *AGTOS* roller conveyor blast machines

AGTOS blasting technology

Our turbines are strong power units which are highly cost-effective due to fewer wear parts and a high abrasive flow.

Easy to maintain

Minimizing the maintenance time is an important factor of cost-effectiveness. Besides the innovative power unit technology and filtering technology, ***AGTOS*** roller conveyor blast machines offer other special details. It is, for example, possible to change the rubber curtains (sealing) outside the machine.

AGTOS filtering technology

The innovative filtering technology convinces through strong performances. A special feature is the conical shape of the filter cartridges which allows for easy and quick exchange outside the housing by means of a pullout carrier element. These cartridge filtering systems can be retrofitted to older blasting machines of almost any model.

Automation

It is important to integrate the blasting machine into the concept of logistics in the facility. We therefore include innovative solutions, like for example an automated receiver for the control of the turbine running time and the cleaning (image: bottom right), into the scope of our supply.

In collaboration with our partners we design complete conservation lines or combine blasting technology with sawing/drilling machines (see page 6).

Construction of an *AGTOS* roller conveyor blast machine

Baffle case for the separation of coarse particles

Abrasive purifying unit

Maintenance platform of generous size

Quick an easy exchange of filter cartridges

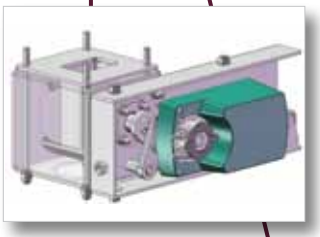
Wear resistant rubber curtains

Cleaning station

Inlet with sensory work piece identification

Pedestal bearings of the rollers are installed outside the machine

Machine housing with blast chamber made of manganese steel

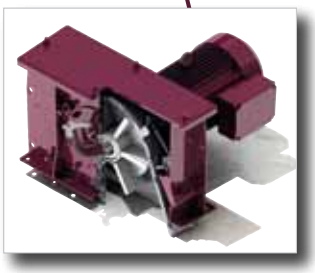


Shell valve for the flux control of the abrasive

Container for catching dust particles

Wide-dimensioned maintenance doors for quick, save and clean maintenance

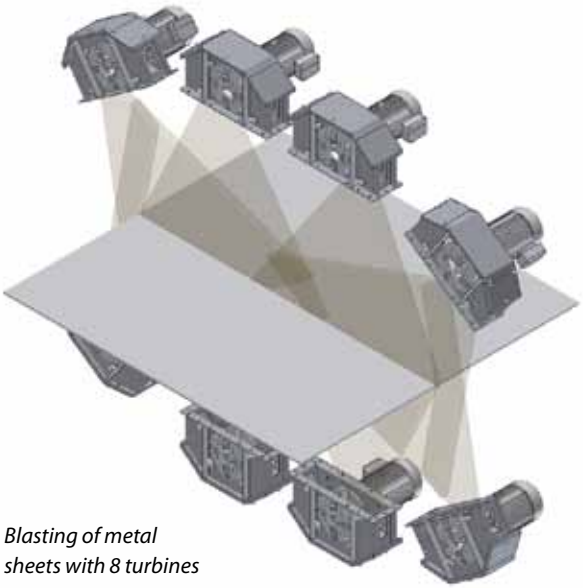
Control unit – OP77B



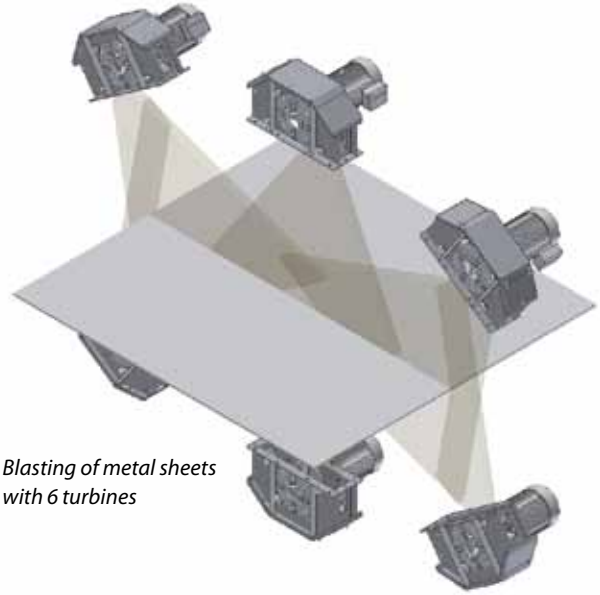
Turbine with energy-efficient single-disk blasting wheel

Complete blasting of metal sheets and sections

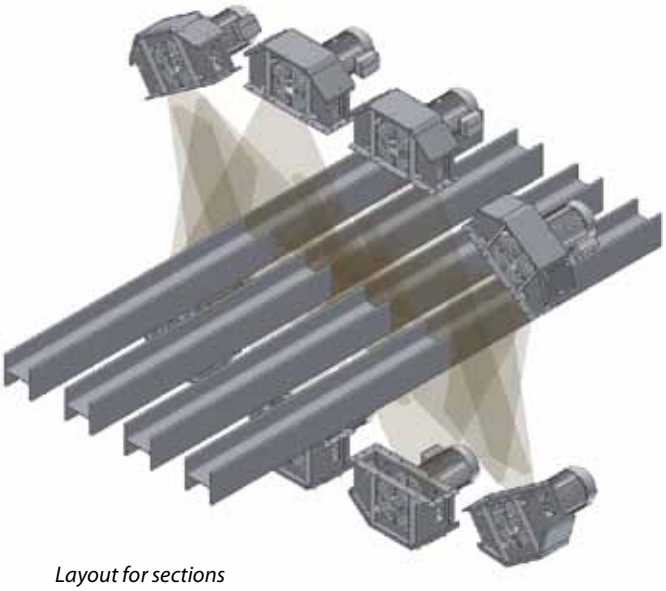
Already during the project phase a detailed evaluation of the blasting pattern is carried out. That way we ensure that the abrasive optimally impinges on the work pieces later on and that the desired blasting task is achieved within the specified timeframe.



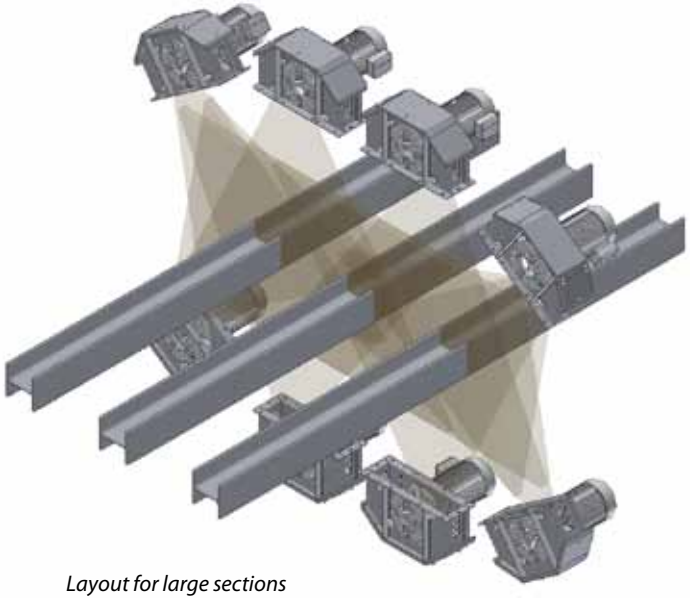
Blasting of metal sheets with 8 turbines



Blasting of metal sheets with 6 turbines



Layout for sections



Layout for large sections

Efficient blasting with *AGTOS* roller conveyor blast machines – applied examples

Blast machine with crossover conveyors

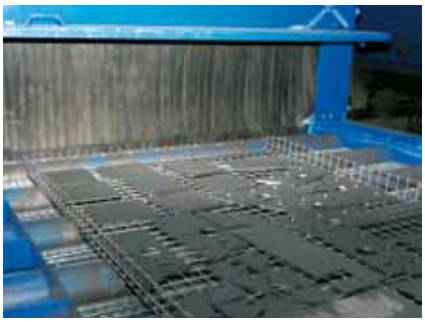
Blast machine for metal sheets

Blast machine with adjustable passage height

Blast machine for large sections

Vertical roller transportation blast machine

Blast machine for metal sheets, sections and constructions with a passage height of up to 1000 mm



Blasting of flame cut pieces in a basket

Bar blasting machine

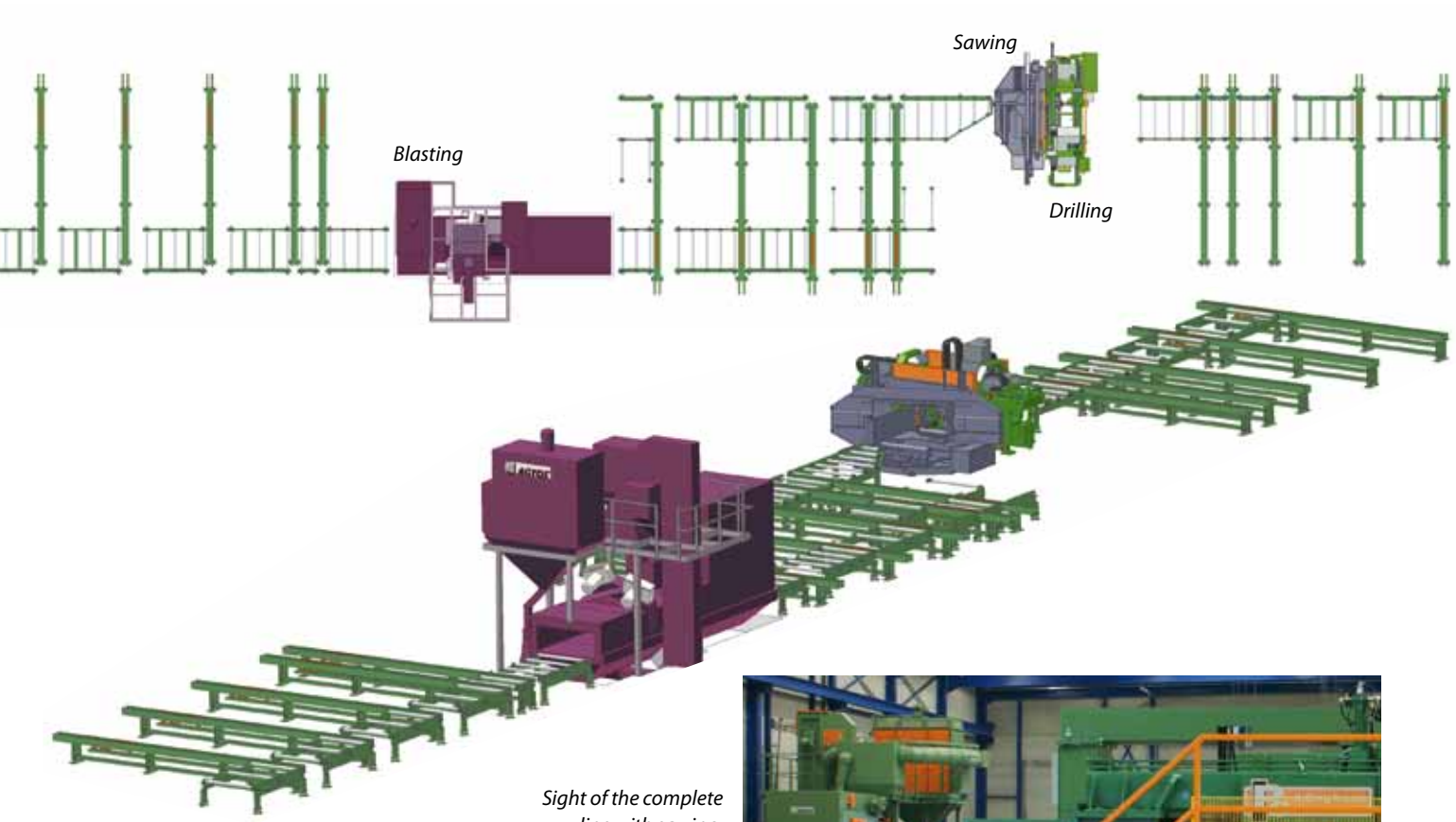
Blasting machine with adjustable passage height

Blast machine for metal sheets, sections and constructions with a passage height of up to 1000 mm

Diabolo blast machine for handling sprinkler pipes

Tilting device for pipes to evacuate the abrasive after blasting

Blasting machines aligned with sawing-drilling-machines



Sight of the complete line with sawing, drilling and blasting machine

*The **AGTOS** blasting machine with clearly marked maintenance doors*

Crossover conveyors connect the roller conveyor blast machine with the sawing and drilling machines.

Collaboration of *AGTOS* and Peddinghaus

Complete solutions are attributed more and more importance in metal-working facilities. This development is reflected in the cooperation of ***AGTOS*** and Peddinghaus.
For this reason the ***AGTOS*** blasting machine was aligned with the Peddinghaus steelworkers 1270 DGP and BDL 1250/9 in a client's facility.
The project comprises the inlet and outlet roller conveyors as well as elevating truck crossover conveyors. The whole machine is centrally operated.

Service for blasting machinery

Used machines are technically overhauled and then integrated into plant operations. Working on its own or as a general contractor, ***AGTOS*** *undertakes disassembly, transport and re-assembly of the machines.*

Modernization and increased performance of used machines through modern turbine technology among other things

We place special emphasis on providing perfect customer service. This applies not only to the blasting equipment we manufacture, but also to other makes of equipment. Our service program includes:

- Spare parts
- Modernization and performance enhancement
- Repair and maintenance
- Instruction and training

A wide range of abrasive types can be delivered on short notice.

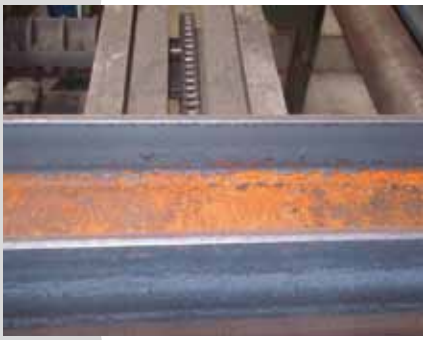
Turbine parts for many turbine brands

In addition to replacement turbine parts, we also supply filter cartridges, cleaning and sealing brushes, and precut rubber and manganese blanks for many machine types.

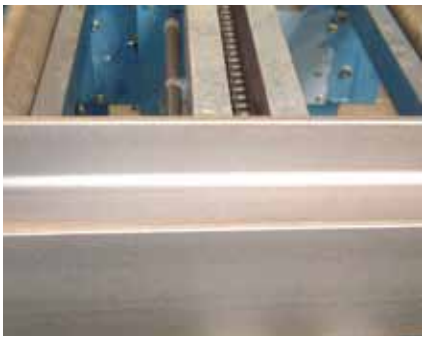
Bucket elevator belts, buckets and screws for all makes of blast machinery

Modern blasting technology made to measure

AGTOS manufactures turbine-wheel shot blast machines for special applications according to the needs of the customer. Based on the different work pieces and specifications concerning the surface and the space available at the client's facility we provide our customers with a variety of specialized roller conveyor blast machines.
The following table lists the most frequent models and their most important technical characteristics.



Steel beam before…



…and after the processing

***AGTOS* roller conveyor blast machines are among others available in the following standard sizes:**

Technical data	RT 1000 4 x 11	RT 1500 4 x 11	RT 1500 4 x 15	RT 2100 4 x 15	RT 2600 6 x 15	RT 3200 6 x 15	RT 3200 8 x 15
Primary field of application	Metal sheet Metal section	Metal sheet Metal section	Metal sheet Metal section	Metal sheet Metal section	Metal sheet Metal section	Metal sheet Metal section	Metal sheet Metal section
Size of the work piece (mm)	600	600	600	600	600	600	600
Width of the work piece (mm)	1000	1500	1500	2100	2600	3200	3200
Min. sheet thickness (mm)	4	4	4	6	6	6	6
Type of turbine	3.6.3	3.6.3	3.6.3	3.6.3	3.6.3	4.6	4.6
Turbine performance (kW)	4 x 11	4 x 11	4 x 15	4 x 15	6 x 15	6 x 15	8 x 15
Max. blasting speed round grain (m/min)	2,2	1,5	2,0	1,4	1,8	1,4	1,9
Abrasive flow per turbine (kg/min)	181	181	248	248	248	165	165
Filter	PF 4/12	PF 4/20	PF 4/28	PF 4/28	PF 4/40	2 x PF 4/28	2 x PF 4/32
Performance (m^3/h)	4500	7500	10000	10000	15000	20000	24000
Overall filtering surface (m^2)	48	80	112	112	160	224	256
Residual dust content in the exhaust air with secondary filter (mg/m^3)	1	1	1	1	1	1	1

Begner Agenturer
Representing AGTOS in Scandinavia

Samuelsdalsv.2
SE-791 61 Falun

Tel.: +46(0)23-160 20

info@begner.com
www.begner.se

AGTOS
Gesellschaft für technische Oberflächensysteme mbH

Gutenbergstraße 14
D-48282 Emsdetten

Tel.: +49(0)2572 96026-0
Fax: +49(0)2572 96026-111

info@agtos.de
www.agtos.com

18-02/11-S-GB