



PREDATORE[®]



PREDATORE **SEPARATOR**

GROUNDBREAKING PERFORMANCE

CUSTOMER-ORIENTED TECHNOLOGY

MEETS EXPERIENCE-BASED KNOWLEDGE



PREDATORE®



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PREDATORE®

PREDATORE GROUNDBREAKING PERFORMANCE

We are your competent partner with more than 15 years of professional experience when it comes to treating soil and processing material to protect our resources and thus our environment. Our claim is: Production of recyclable raw material from waste material as well as optimisation of the efficiency and profitability of work processes.

Innovative separator technology for the construction, gardening, landscaping and industrial sectors is our passion, and knowledge of our customers' requirements and their construction sites and work assignments is our mission. This enables us to permanently optimise our separators for the benefit of our customers and to adapt them to the customers' requirements.

DEFINITION „PREDATORE“

Noun [predədər]
In English: Predator

Noun [ôr]
Synonym: Material

As strong and focused as a predator: Predatore is defined not only by strength, efficiency and flexibility, but also by safety, environmental awareness and competence. The Predatore product range is designed to produce recyclable raw material from waste material as well as to optimise the efficiency and cost-effectiveness of work processes. Our focus is on innovative attachment technology for the construction, landscaping, recycling and industrial sectors.

SEE FOR YOURSELF!

WHY PREDATORE

Your success and satisfaction are our mission, and our ultimate goal is to assist you by continuously developing our Predatore separator technology. That's why we bundle our experience and technical innovations to optimise your business:





PREDATORE SEPARATOR

IN TIMES OF RISING MATERIAL AND PERSONNEL COSTS, THE USE OF INNOVATIVE TECHNOLOGIES TO INCREASE THE EFFICIENCY OF EVERY COMPANY IS INDISPENSABLE.

The greatest savings potential lies in the time factor. State-of-the-art technology offers effective and rational working methods and thus enormous time savings. The optimisation of the work processes accelerates the progress of the construction site, thus reducing the construction time and freeing up capacities for additional projects.

The recycling of waste material not only conserves our resources and thus our environment, but the greatest possible independence from suppliers that can be achieved

this way also reduces costs.

Predatore separators are the economical solution for material processing for construction and recycling, gardening and landscaping, and industry.

The areas of application range from soil preparation in the construction sector, separation and pre-sorting of waste materials in recycling, and processing of compost heaps or topsoil, for example, in landscaping, to crushing of plasterboard, roof tiles, coal, or frozen or lumpy materials, for example, to avoid blockages in the material supply when feeding production plants in industry.

MORE THAN 15 YEARS OF EXPERIENCE IN SOIL TREATMENT AND MATERIAL PROCESSING FORM THE BASIS ON WHICH PREDATORE'S SEPARATOR TECHNOLOGY HAS BEEN DEVELOPED.

Customer proximity and the consistent implementation of the constantly changing requirements on the construction site are reflected not only in the technology and application of the separators, but also in their functionality and quality. High-quality materials guarantee high performance and reliability combined with high wear resistance and low maintenance requirements.

THE MULTIFUNCTIONALITY AND FLEXIBILITY OF THE MOBILE SEPARATORS MAKE THEM THE OPTIMAL WORKING EQUIPMENT FOR EXCAVATORS / WHEEL LOADERS IN THE 1.5 TO 50 TON RANGE.

More than a thousand configuration options offer the perfectly matched machine for every work application.

SCREENING, MIXING, SORTING, CRUSHING, LOADING...THE **SEPARATORS** OF THE **PX, PS AND PP-SERIES**

PERFORM SEVERAL WORK STEPS IN ONE OPERATION AND UPGRADE ANY CARRIER MOUNTED TO AN EXCAVATOR OR WHEEL LOADER TO A MOBILE PROCESSING PLANT.

The range of applications of the carrier is extended, leading to enhanced utilisation. Existing waste material is processed into recyclable building material directly on the construction site, in a storage yard or on the company premises, so that the purchase of expensive substitute materials is often completely unnecessary.

This significantly reduces the transport volume and achieves maximum independence from suppliers. The implements can be used wherever the carrier carries them, i.e. even on small and cramped construction sites or in rough terrain.

PREDATORE SEPARATOR AREAS OF APPLICATION

Screening, mixing, sorting, separating, crushing, aerating, pulverising, loading - the separators of the PX, PS and PP series process almost everything that is fed to them efficiently and reliably. Topsoil, waste soil, construction waste, peat, bark, clay, glass, and even contaminated soil can be processed using a separator. In a single operation, aggregates can be mixed in, impurities screened out, clumps and soft rock reduced and the improved material either loaded or directly replaced. In addition, surplus quantities are available for resale.

The configuration options of the Predatore separators are as diverse as the application options. Individually adapted to the customer's requirements, the machines can be supplied in grading increments of 5mm in screening lines from 10 - 80 mm. The highly wear-resistant screen drums produce a first-class end product and are therefore perfect for pipe bedding and backfilling in pipeline construction.

GARDENING AND LANDSCAPING

Screening topsoil, mixing in fertiliser, peat or other aggregates, or aerating compost - the Predatore PX series separators offer all the advantages of a mobile processing plant. Whether at the depot or directly on the construction site, the small compact units are quickly transported wherever they are needed and are also suitable for use on narrow construction sites.

INDUSTRY

This is where the powerful separators are used to prepare the raw material to avoid blockages in the feed hopper when feeding production lines. They effortlessly shred lumpy or frozen material. Prepare scrap production of gypsum boards, roof tiles, and so on, for example, for further processing and enable loading and unloading in one operation.

RECYCLING

Whether for pre-sorting or preshredding waste or for moving and aerating compost heaps - the multifunctional separators carry out all work steps in one operation, quickly and reliably. The carrier becomes a mobile sorting system.

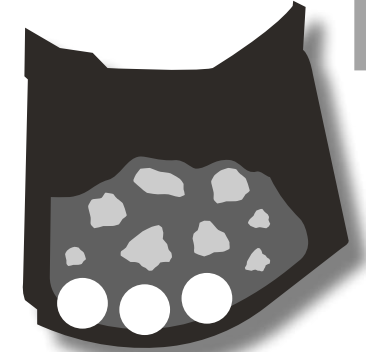
CONSTRUCTION

ROAD AND SEWER CONSTRUCTION

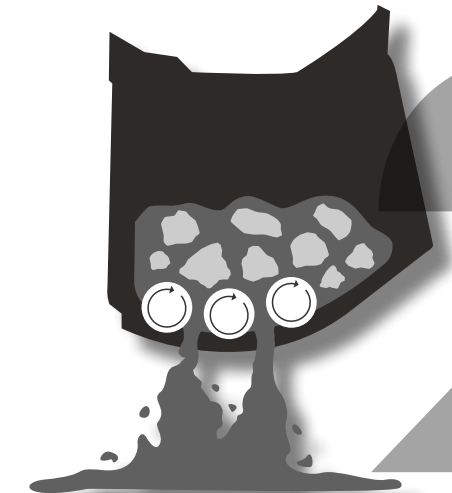
Recycling instead of disposal - instead of expensive soil replacement associated with immense material, landfill and transport costs, simply process the excavated soil directly on the construction site into valuable building material and reuse it directly. Preparing soil for the creation of pipe bedding and subsequent backfilling, for example, can hardly function more efficiently. Predatore separators carry out several work steps such as screening, mixing and backfilling in a single operation. Actual waste is reduced to a minimum. Screened out stones, roots and other impurities are deposited and disposed of separately after the screening/mixing process. Further advantages: the construction site processes and the handling of the construction site are accelerated, and the utilisation of the carrier is increased.

MODE OF OPERATION

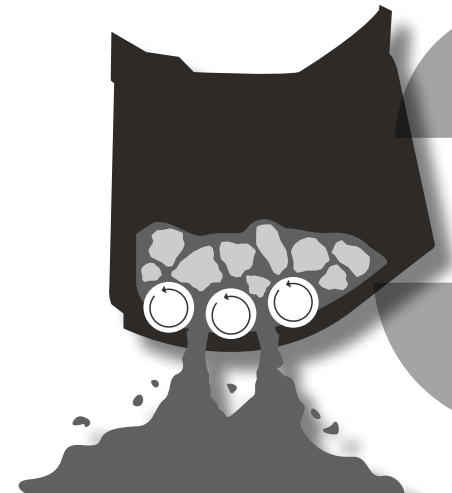
- > Waste material is picked up with the separator, and the work cycle is started.



- > normal direction of rotation
- > optimal material processing
- > maximum throughput



- > opposite direction of rotation
- > reversing the drums optimises material processing in the final working phase



PREDATORE®

SEPARATOR
PREDATORE **PX-SERIES**
THE COMPACT LINE

3 - 14 t EXCAVATORS / 1.5 - 9 t WHEEL LOADERS

PX-SERIES – the compact line for carrier units such as excavators, wheel loaders, tractors, etc., in the 1.5 to 14 t range.

The lightweight compacts are primarily used in gardening and landscaping, as well as on smaller sewer construction sites. Whether for screening topsoil, mixing in of aggregates

tes like fertiliser, etc., processing of compost, or processing of excavated soil, the PX series separators are flexible, versatile and efficient in processing waste materials into valuable, recyclable building material. From model PX 2-12 onwards, the powerful compacts are also available with double drive for even more power.

VOLUME 0.2 - 0.9 m³ / SCREEN AREA 0.3 - 0.8 m²

MODELL	Rec. Carrier Minimum Weight (t)		Hydraulic Settings 1 Motor		Hydraulic Settings 2 Motors		Operating Pressure Max.	Water/Earth Volume	Screen Area	Dimensions* LxWxH	Weight*
	Excavator	Wheel loader	Rec. Hydraulic Oil Consumption Min./Max.	Max. Output Power Duration / Peak	Rec. Hydraulic Oil Consumption Min./Max.	Max. Output Power Duration / Peak					
	t	t	l/min.	kW	l/min.	kW	bar	m ³	m ²	mm	kg
PX 2-06	3.0 - 7.0	1.5 - 4.0	35-65	19/23	-	-	210	0.2	0.3	850x770x830	320
PX 2-09	5.0 - 10.0	2.0 - 6.0	35-65	19/23	-	-	210	0.3	0.4	1150x770x830	420
PX 2-12	7.0 - 12.0	3.0 - 8.0	50-80	17/21	70-120	38/46	210	0.5 - 0.6	0.6	1500x770x830	570
PX 2-15	9.0 - 14.0	4.0 - 9.0	50-80	17/21	70-120	38/46	210	0.8 - 0.9	0.8	1750x770x830	700



AREAS OF APPLICATION

- > Topsoil screening
- > Soil preparation
- > Mixing in of aggregates
- > Compost and waste processing

SCREENING LINES / GRAIN SIZE

- > SX10/15mm: Fine screening
- > SX20-40mm: Screening
- > X50/X75/X100: Stabilisation, mixing, crushing (further information on the following pages)

ADDITIONAL EQUIPMENT

- > Extra sides: Increase of the bucket volume by approx. 30%
- > 2. Motor / double drive: for even more power (available for PX 2-12 and PX 2-15) (further information on the following pages)

PX-SERIES

PX-SERIES FOR 1.5 - 14 t CARRIER UNITS



PS-SERIES FOR 4 - 28 t CARRIER UNITS

SEPARATOR
PREDATORE **PS-SERIES**
THE BASIC LINE
10 - 28 t EXCAVATORS /
4 - 18 t WHEEL LOADERS

All models of the **PS series** are available in HD design and with double drive. The standard models of the PS series are real all-rounders on every construction site and are also compatible with medium-weight carriers. Reliable and powerful, they carry out several work processes such as screening, mixing, separating, sorting, aerating, loading, and so on in one operation and, thanks to their countless application possibilities, they meet every requirement on the construction site.

VOLUME 0.7 - 1.4 m³ / SCREEN AREA 0.6 - 1.3 m²



AREAS OF
APPLICATION

- > Soil preparation
- > Backfilling of pipeline trenches
- > Topsoil screening
- > Recycling of waste materials
- > Waste separation
- > Processing of demolition material
- > Numerous mixing and crushing applications

SCREENING LINES /
GRAIN SIZE

- > SX10/15mm: Fine screening
- > SX20-80mm: Screening
- > X50/X75/X100: Stabilisation, mixing, crushing (further information on the following pages)

ADDITIONAL EQUIPMENT

- > Extra sides: Increase of the bucket volume by approx. 30%
- > 2. Motor / double drive: for even more power
- > HD frame
- > Sub-threading blade
- > Baffle plate / wear edge (further information on the following pages)

PS-SERIES

MODELL	Rec. Carrier Minimum Weight (t)		Hydraulic Settings 1 Motor		Hydraulic Settings 2 Motors		Operating Pressure Max.	Water/Earth Volume	Screen Area	Dimensions* LxWxH	Weight*
	Excavator	Wheel loader	Rec. Hydraulic Oil Consumption Min./Max.	Max. Output Power Duration / Peak	Rec. Hydraulic Oil Consumption Min./Max.	Max. Output Power Duration / Peak					
	t	t	l/min.	kW	l/min.	kW	bar	m ³	m ²	mm	kg
PS 2-12	10.0 - 16.0	4.0 - 9.0	60-115	30/35	100-200	67/80	240	0,7 - 0,8	0,6	1570x1020x1135	840
PS 2-12 HD	11.0 - 18.0	5.0 - 10.0	60-115	30/35	100-200	67/80	240	0,7 - 0,8	0,6	1570x1020x1135	940
PS 2-15	12.0 - 18.0	6.0 - 11.0	60-115	30/35	100-200	67/80	240	0,9 - 1,0	0,8	1870x1020x1135	980
PS 2-15 HD	13.0 - 20.0	7.0 - 12.0	60-115	30/35	100-200	67/80	240	0,9 - 1,0	0,8	1870x1020x1135	1100
PS 3-09	10.0 - 16.0	5.0 - 10.0	60-115	30/35	100-200	67/80	240	0,7 - 0,8	0,6	1270x1165x1210	880
PS 3-09 HD	11.0 - 18.0	6.0 - 11.0	60-115	30/35	100-200	67/80	240	0,7 - 0,8	0,6	1270x1165x1210	980
PS 3-12	12.0 - 20.0	6.5 - 12.0	75-130	27/30	120-250	60/70	240	0,9 - 1,0	0,8	1570x1165x1210	1050
PS 3-12 HD	13.0 - 22.0	7.0 - 13.0	75-130	27/30	120-250	60/70	240	0,9 - 1,0	0,8	1570x1165x1210	1200
PS 3-15	14.0 - 24.0	7.5 - 14.0	75-130	27/30	120-250	60/70	240	1,1 - 1,2	1,0	1870x1165x1210	1260
PS 3-15 HD	15.0 - 26.0	8.0 - 16.0	75-130	27/30	120-250	60/70	240	1,1 - 1,2	1,0	1870x1165x1210	1350
PS 3-18	16.0 - 27.0	9.0 - 16.0	75-130	27/30	120-250	60/70	240	1,3 - 1,4	1,3	2170x1165x1210	1480
PS 3-18 HD	17.0 - 28.0	9.5 - 18.0	75-130	27/30	120-250	60/70	240	1,3 - 1,4	1,3	2170x1165x1210	1600

SEPARATOR
PREDATORE **PP-SERIES**
THE PRO-LINE

FOR 18 - 50 t EXCAVATORS /
8 - 30 t WHEEL LOADERS

The benefits of the **PP series** include enormous bucket volume, additional stability due to a reinforced frame and absolute top performance. The models in the PP series are perfect for heavy-duty applications and the highest demands in terms of equipment, performance, reliability and technology. Be it for soil preparation,

processing of construction waste, crushing frozen or lumpy material and for all screening jobs - the PP series separators offer the right machine for every work application. - All models with HD frame reinforcement as standard and double drive on request.



VOLUME 1.3 - 3.5 m³ / SCREEN AREA 1.0 - 2.5 m²

SCREENING LINES /
GRAIN SIZE

- > SX10/15mm: Fine screening
- > SX20-80mm: Screening
- > X50/X75/X100: Stabilisation, mixing
(further information on the following pages)

AREAS OF APPLICATION

- > All screening, mixing and crushing work
- > Processing of construction waste
- > Soil improvement in road and pipeline construction
- > Processing and pre-sorting at landfills
- > Machining of industrial scrap products

ADDITIONAL EQUIPMENT

- > Extra sides: Increase of the bucket volume by approx. 30%
- > 2. Motor / double drive: for even more power
- > Sub-threading blade
- > Baffle plate / wear edge
(further information on the following pages)

HD FRAME
REINFORCEMENT
AS STANDARD

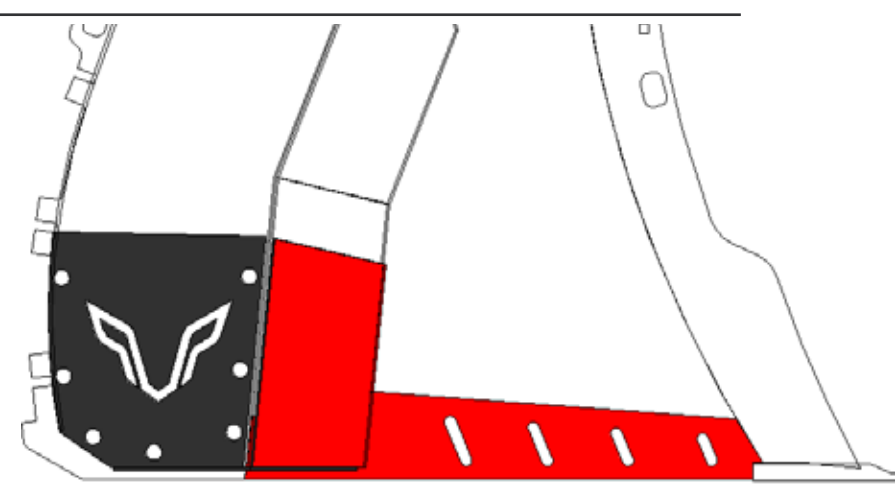
MODEL	Rec. Carrier Minimum Weight (t)		Hydraulic Settings 1 Motor		Hydraulic Settings 2 Motors		Operating Pressure Max.	Water/Earth Volume	Screen Area	Dimensions* LxWxH	Weight*
	Excavator	Wheel loader	Rec. Hydraulic Oil Consumption Min./Max.	Max. Output Power Duration / Peak	Rec. Hydraulic Oil Consumption Min./Max.	Max. Output Power Duration / Peak					
	t	t	l/min.	kW	l/min.	kW	bar	m ³	m ²	mm	kg
PP 3-12 HD	18.0 - 30.0	8.0 - 15.0	110-200	48/56	170-300	96/112	240	1,3 - 1,5	1,0	1652x1813x1495	1580
PP 3-18 HD	22.0 - 35.0	10.0 - 20.0	110-200	48/56	170-300	96/112	240	1,9 - 2,1	1,4	2252x1813x1495	2000
PP 3-24 HD	28.0 - 40.0	12.0 - 24.0	110-200	48/56	170-300	96/112	240	3,2 - 3,5	1,9	2852x1813x1495	2850
PP 4-18 HD	28.0 - 50.0	12.0 - 24.0	110-200	67/112	170-300	96/112	240	2,5 - 2,8	1,9	2252x1813x1812	2800
PP 4-24 HD	32.0 - 50.0	16,0 - 30,0	110-200	67/112	220-400	134/224	280	3,2 - 3,5	2,5	2852x1813x1812	3400



PP-SERIES FOR 8 - 50 t CARRIER UNITS

PP-SERIES

THE PLUS IN EQUIPMENT
FOR ALL THOSE WHO WANT MORE

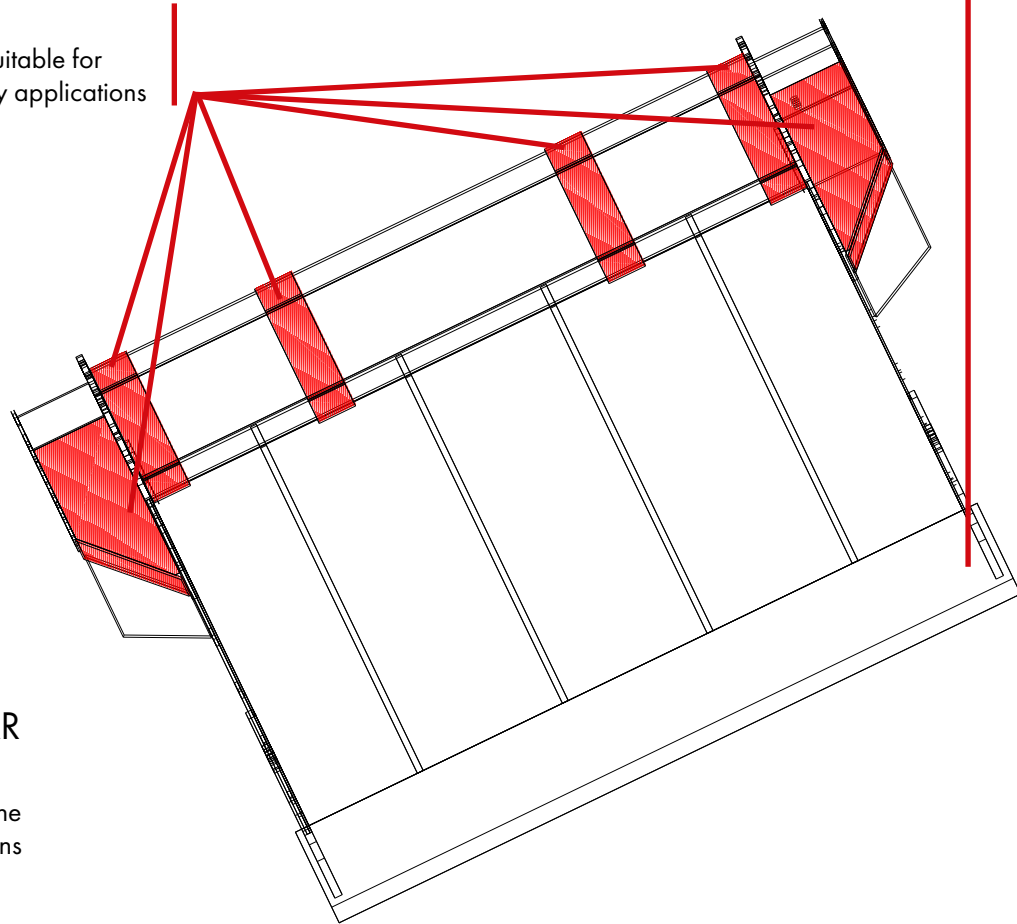


EXTRA SIDES
Approx. 30% increase in bucket volume

2. MOTOR /
MOTOR / DOUBLE DRIVE
For even more performance and throughput

SUB-THREADING BLADE
Particularly advantageous for heavy-duty applications

HD MODEL
Reinforced frame, especially suitable for medium-heavy and heavy-duty applications



BAFFLE PLATE / WEAR
BLADE
High wear resistance. Protects the body for heavy-duty applications



PREDATORE®

SERVICE AND
MAINTENANCE

Regular inspection and maintenance keep your machines in good working order. Performance is kept at an optimal level and downtimes are avoided. In this area, too, our experts will be happy to support you with advice, practical assistance and a fast and efficient spare parts service. Of course, all maintenance and repair work can also be carried out by our service staff.

TECHNICAL
SUPPORT

Whenever it comes to technology and its application, you need experts who know everything there is to know about Predator separator technology. Our professionals are not only competent in construction and technology, but also in the perfect application and optimal handling of the bucket separators. Should a problem arise, they will provide tips and assistance in an uncomplicated and efficient manner.

AFTER SALES

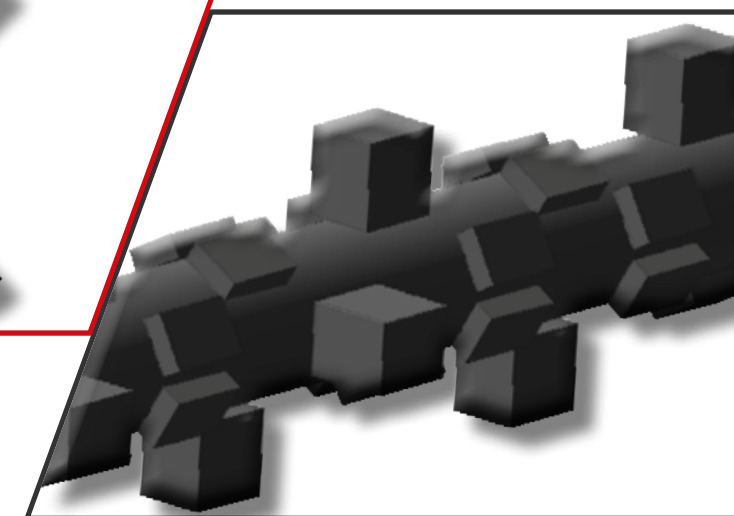
Long-term customer proximity and support is important to us. We are always at your side and will be happy to answer all your questions about our separator technology, its operation and application, service and maintenance.

TRAINING COURSES /
SEMINARS

Knowledge creates benefits - We are happy to pass on our expertise and know-how to you and your employees. Benefit from our training courses and seminars tailored to your individual needs, with topics ranging from soil preparation using our Predator technology and its application to special training for your mechanics and workshop staff.

PREDATORE®

PREDATORE SEPARATOR DUM / BLADE VARIANTS



STAR / SCREEN DRUM

Optimal for all screening and sorting work and a particularly high-quality end product. Impurities contained in waste can be disposed of separately after screening. Actual waste is reduced to a minimum.

SCREENING LINES

SX10/15mm:

For fine screening, for a particularly fine grain - perfect in pipeline construction and for working dry soil qualities.

SX20 – 80mm:

Perfect for all screening and sorting work. The wear-resistant screen shafts are available in grain sizes in 5mm increments from 20/25/30/35/40/45 - 80mm.

COLLAR VARIANTS



S-BLADE

Standard screen beater for fine screening



C-BLADE

Special beaters for crushing and/or screening



CH-BLADE**

Screening/crushing beaters for mixing, aerating and crushing a wide range of materials and soft stone
* Available for the PP series



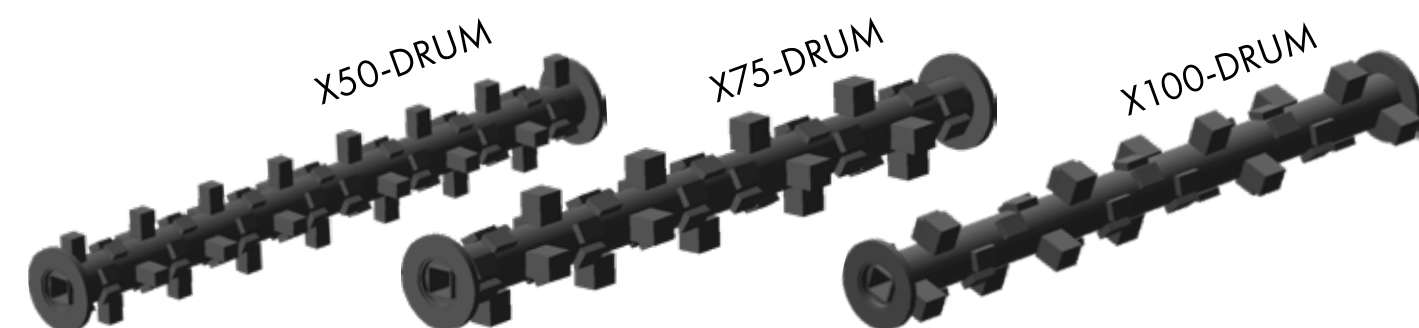
K-BLADE

Special blade for processing compost, for example, with high tearing and shredding effect

STABILISATION DRUM

For crushing, mixing, breaking, separating, aerating, loading - also perfect for processing cohesive and moist soil or construction waste.

THE RIGHT
CONFIGURATION FOR
EVERY APPLICATION





PREDATORE®

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