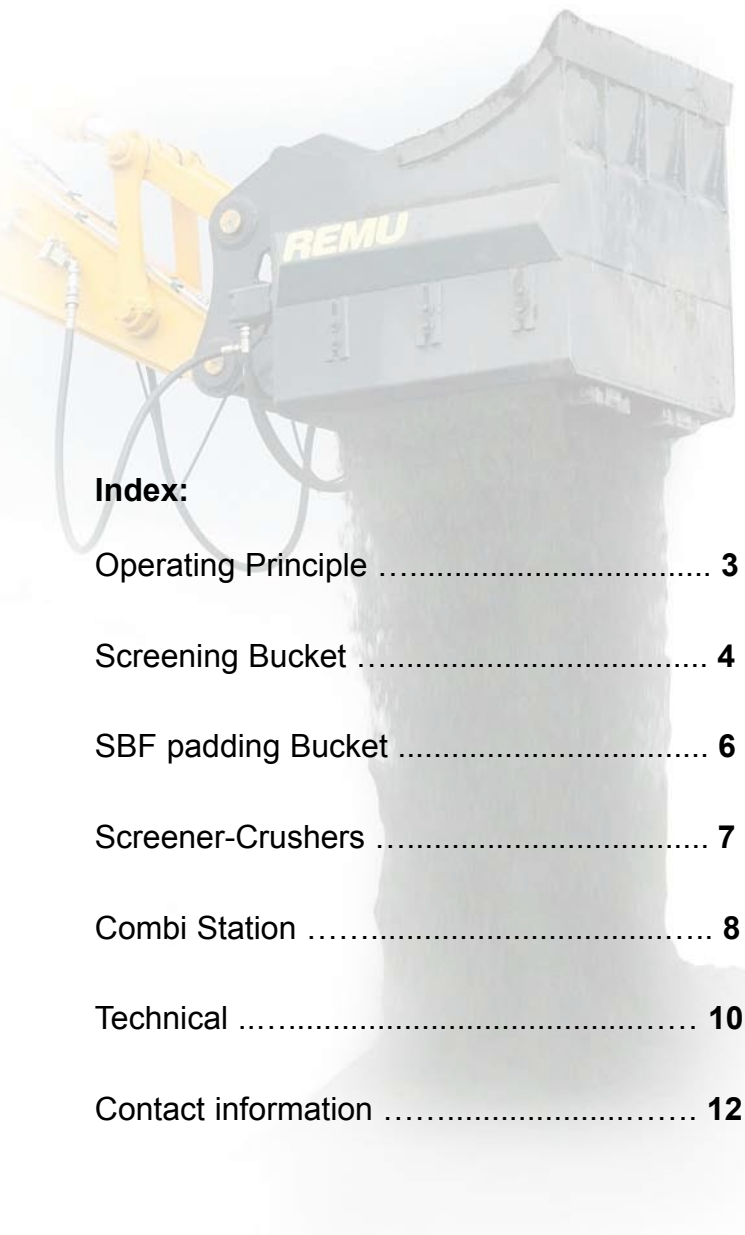
REMU

Screening Buckets & Screening Plants

Carefully Designed Tools for Special Needs



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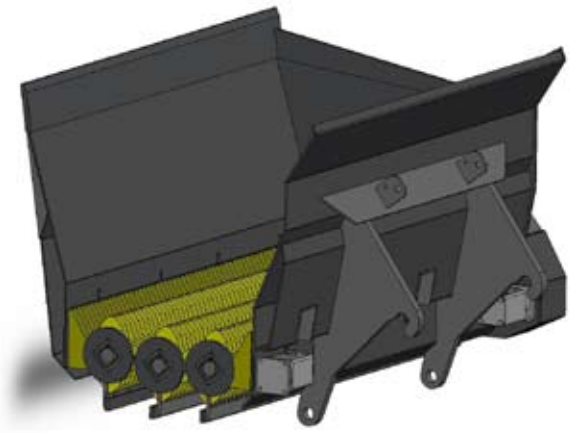
Not all material handling needs are the same. In its product development REMU takes special care to make note of every application and need, both for capacity and for the necessary quality of the final product.

REMU has been manufacturing screening devices since the early 1980's. Therefore, the screens we offer today are the result of over twenty years of experience, working with a wide variety of materials and screening techniques.

Knowledge based on experience, plus years of co-operation with our customers, have led to innovations that give us the capability to offer compact and effective screens. This makes work more productive and more "green" for everyone.

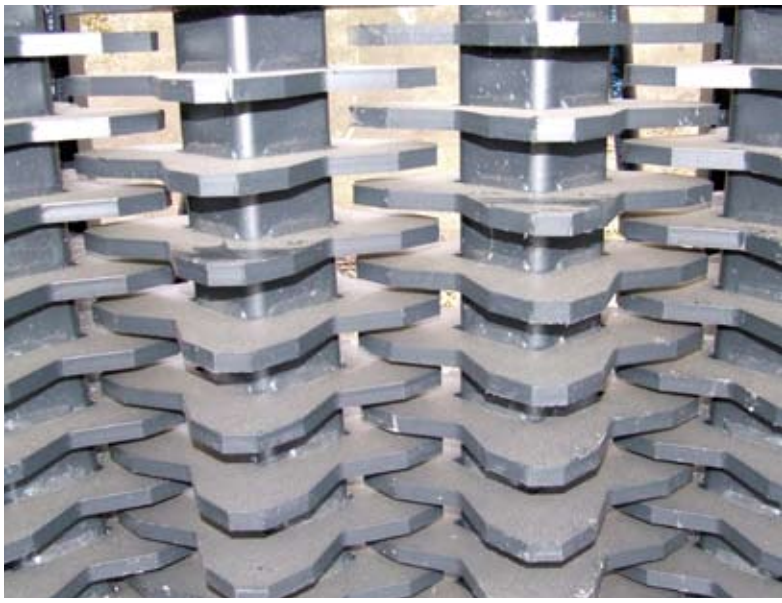


Rotating Blades Keep Material in Motion

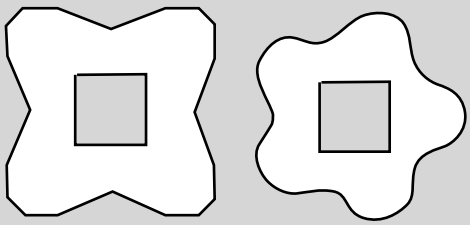
The function of REMU screens is based on rotating blades and the special cleaning scrapers that prevent them from clogging. This design makes it possible to handle materials such as clay, compost and all kinds of “sticky” dirt.

Because of the shape of the blades, material is moved up and down a few inches to help fine material move smoothly through the screening element. Blades can be run in both directions to prevent material from being piled up along the sides of the screening bucket.

Our double shaft design in the rotors evenly disperses any shock and vibration throughout to reduce bearing wear. Thanks to this detail in REMU’s design, our screens have very long and productive lives.



Material sizes starting from 0–10 mm (3/8” minus)
Blades are designed to screen without crushing.



REMU Screening Buckets Are Versatile Tools!

TOPSOIL PREPARATION
Mixing and screening topsoil is one of the most common applications for screening buckets. With screening buckets, materials can be mixed to meet the special needs of different applications, whether the destination of the soil is yards, nurseries, golf courses or landscaping projects.

PADDING AND FILLING EXCAVATIONS
With REMU screening buckets, pipelines, cables, underground tanks etc. can be buried safely. REMU buckets are designed to produce fine material without crushing sharp pieces of stones that would end up mixed in with the screened material.

CLASSIFYING INDUSTRIAL MATERIALS
Screening buckets can be used to separate lumps from industrial materials.

WASTE HANDLING
Screening buckets can be used to classify different kinds of waste, such as compost. They can also separate dirt from demolition waste or tree stumps.

SCREENING PEAT AND HANDLING MULCH
For light-weight materials even 6 m^3 (8 yd^3) buckets can be used.

Fewer Work Stages, Lower Transport Costs, Faster Final Results

MINIMIZE MATERIAL COSTS AND THE AMOUNT OF MATERIAL ENDING UP IN LANDFILLS!

- Screening buckets are easy to transport to and from work sites.
- Transport of material can be reduced, because material can be handled and used on site.
- The amount of material ending up in landfills is reduced by separating out reusable ingredients.

REMU

Screening buckets are available for both small and large machines.

Screening and loading can work simultaneously.

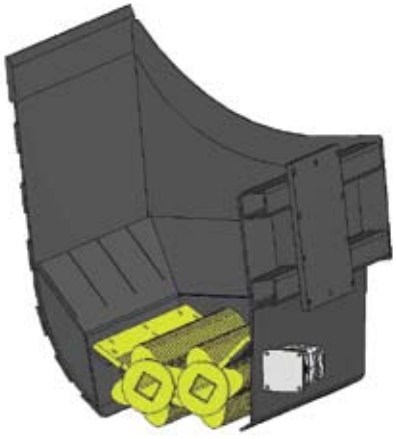
Designed for Padding Cable Excavations

REMU SBF 1500

The REMU SBF 1500 screening bucket, shaped like a general purpose bucket, is specially designed for padding cables and pipelines. It is equipped with two screening-blade shafts and extra thick blade spacing to produce a particle size of 0-10 mm
(3/8” minus)

Because of the structure of this bucket, it is compatible with most new rotary-tilt devices. This feature makes it a truly effective and agile tool for padding. Other REMU screening buckets can also be used for padding and filling excavations, especially when larger excavations are involved.

SBF 1500 is an effective tool for padding cable excavations.



Due to its design, the SBF is perfect for padding and backfilling.

REMU Screener-Crushers

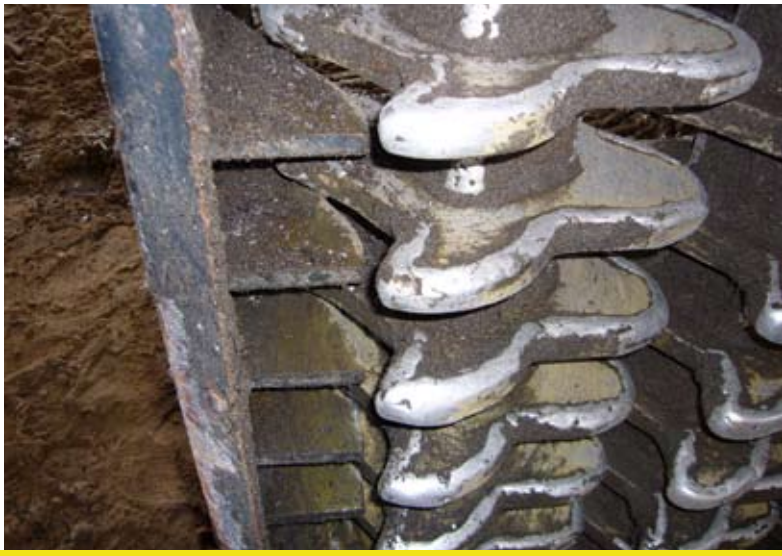
REMU Screening buckets can be converted to screener-crushers by replacing their classifying rotors with crushing and grinding blades. Screening crushers are used for special applications where grinding or crushing of large particles are needed instead of screening them out of the finished product.

STANDARD OR HD-BUCKET

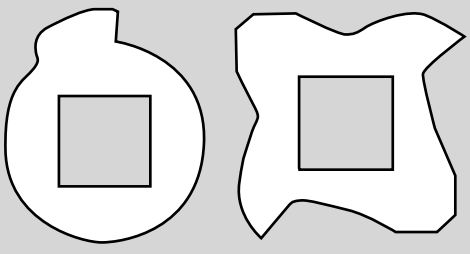
REMU Screener-Crushers made from standard REMU screening buckets are suited for applications such as grinding grass roots, limestone, etc.

Screener-Crushers made from REMU Heavy Duty screening buckets are perfect for applications like aerating compost while grinding wood and animal waste material into it. HD-Screener-Crushers can also be used to shred gypsum, glass and even for the occasional grinding of tiles and asphalt.

Screener-Crushers are not designed for crushing concrete or stones, which require specialized crushing devices.



Crushing and grinding blades



Combi – A Compact Screening Station!

RELIABLE AND ENERGY EFFICIENT

The REMU Combi is designed to screen topsoil, but thanks to its durable structure, it has also been used more and more to screen all kinds of difficult materials. With Combi, even waste, compost, clay and other sticky materials can be screened. Its structure is result of years of designing and comparison with numerous trommels and vertical sifters it is truly compact.

Fuel efficiency of 5 l/h (1.5 g/h) and easy transport, together with a capacity that can reach 300 m^3 (400 yd^3) per hour raise the REMU Combi station to the position of elite among screening plants.

SCREENING ELEMENT

The non-clogging screening element of the Combi is built to last through hard punches and tough wear. Our blades are made of top quality steel allowing them to work in all weather conditions, even in freezing temperatures. Parallel rotating blades convey coarse material away while fine material falls down onto the conveyer. Screening quality can be controlled by adjusting the angle of the screening element.

REMU

AUTOMATIC CONTROL SYSTEM

The REMU Combi plant is equipped with an automatic watch-dog system to prevent blockages. In case of clogging, the watch-dog triggers off a cleaning operation. The rotors are rotated back and forth for few seconds, efficiently cleaning the screening elements.

PLATFORM OPTIONS

REMU Combi Screening plants are available with several platform options:

- Skid
- Tandem axis
- Tracks

REMU Screening Bucket

Particle Size							Rotators	Base machine weight		Recommended hydraulic flow	Volume ISO / SAE	Screening area	Measurements			Weight
Millimeter 0-	15	20	28	45	70			Excavator	Wheel loader				B	L	H	
Inches 0-	5/8	3/4	1 1/8	1 3/4	2 3/4											
Blade spacing								/ 1000 kg		l/min	m³	m²	cm			kg.
Millimeter 0-	20	25	34	50	75											
Inches 0-	3/4	1	1 1/4	2	3			/ 1000 lbs.		g/min	yd³	yd²	Inches			lbs.
L30	X	X	-	-	-	2		2 - 5	1 - 2	30 - 50	0.15	0.3	87	63	61	175
								4 - 11	2 - 4	8 - 13	0.20	0.4	34	25	24	390
L50	X	X	X	X	-	2		3 - 7	- - -	40 - 100	0.20	0.3	90	93	81	430
								7 - 15	- - -	11 - 26	0,26	0.4	36	37	32	950
L75	X	X	X	X	-	2		5 - 8	2 - 2	60 - 100	0.4 / 0,6	0.7	126	93	85	570
								11 - 17	4 - 5	16 - 27	0,5 / 0,8	0.8	50	37	34	1 260
L85	X	X	X	X	-	2		6 - 9	2 - 3	60 - 100	0,5 / 0,8	0.8	162	93	85	810
								13 - 19	4 - 6	15 - 26	0,7 / 1,0	1.0	64	37	34	1 790
L100	X	X	X	X	-	3		7 - 10	- - -	60 - 100	0,4 / 0,6	0.6	115	100	105	660
								15 - 22	- - -	16 - 26	0,5 / 0,8	0.7	45	40	42	1 460
L150	X	X	X	X	-	3		10 - 14	4 - 7	60 - 100	0,8 / 1,1	1.0	180	100	105	1 030
								22 - 30	9 - 14	16 - 26	1 / 1,4	1.2	71	40	42	2 270
EX80	X	X	X	X	-	3		10 - 16	- - -	60 - 100	0,7 / 0,9	0.7	101	128	137	1 300
								22 - 35	- - -	16 - 26	0,9 / 1,2	0.8	40	51	54	2 870
EX140	X	X	X	X	-	4		16 - 21	- - -	110 - 160	0,9 / 1,1	0.9	126	128	137	1 600
								35 - 46	- - -	29 - 42	1,2 / 1,4	1.1	50	51	54	3 530
EX180	X	X	X	X	-	5		21 - 28	- - -	150 - 200	1,3 / 1,5	1.4	151	145	165	2 360
								46 - 61	- - -	40 - 53	1,7 / 2,0	1.7	60	57	65	5 200
WL160	X	X	X	X	-	3		20 - 25	7 - 12	150 - 200	1,8 / 2,1	1.4	204	145	140	2 100
								44 - 55	15 - 26	40 - 53	2,4 / 2,7	1.7	81	57	55	4 630
WL170	X	X	X	X	-	3		25 - 30	9 - 14	150 - 200	2,2 / 2,7	1.8	244	145	140	2 340
								55 - 66	19 - 30	40 - 53	2,9 / 3,5	2.2	96	57	55	5 160
WL250	X	X	X	X	-	3		30 - 35	12 - 19	150 - 200	2,4 / 2,9	1.9	264	145	140	2 440
								66 - 77	26 - 41	40 - 53	3,5 / 3,8	2.3	104	58	55	5 380
WL600	-	X	X	X	X	3		38 - 48	16 - 24	200 - 300	5,5 / 6,4	3.4	300	195	187	5 260
								84 - 106	35 - 53	53 - 80	7,2 / 8,4	4.1	118	77	74	11 600
REMU Heavy Duty																
EX140 HD	-	X	X	X	X	4		16 - 21	- - -	150 - 200	0,9 / 1,1	0.9	126	128	143	1 680
								35 - 46	- - -	29 - 42	1,2 / 1,4	1.1	47	51	54	3 700
EX180 HD	-	X	X	X	X	5		21 - 28	- - -	150 - 200	1,3 / 1,5	1.4	151	145	171	2 400
								46 - 61	- - -	40 - 53	1,7 / 2,0	1.7	60	57	65	5 290
WL160 HD	-	X	X	X	X	3		20 - 25	7 - 12	150 - 200	1,8 / 2,1	1.4	204	145	140	2 400
								44 - 55	15 - 26	40 - 53	2,4 / 2,7	1.7	81	57	55	5 290
WL170 HD	-	X	X	X	X	3		25 - 30	9 - 14	150 - 200	2,2 / 2,7	1.8	244	145	140	2 650
								55 - 66	19 - 30	40 - 53	2,9 / 3,5	2.2	96	57	55	5 840
WL250 HD	-	X	X	X	X	3		30 - 35	12 - 19	150 - 200	2,4 / 2,9	1.9	264	145	140	2 700
								66 - 77	26 - 41	40 - 53	3,2 / 3,8	2.3	104	57	55	5 950

REMU SBF special screening bucket for cable and pipeline padding and backfilling

Particle Size			Rotators	Base machine weight / Excavator	Recommended hydraulic flow	Volume ISO / SAE	Screening-area	Measurements			Weight
Millimeter	0- 10	15						B	L	H	
Inches	0- ⅜	⅝									
Blade spacing											
Millimeter	0- 20	25		/ 1000 kg	l/min	m³	m²	cm			kg.
Inches	0- ¾	1		/ 1000 lbs.	g/min	yd³	yd²	Inches			lbs.
SBF150	X	X	2	8 - 16	60 - 100	0,7 / 0,8	0,4	157	96	132	780
				17 - 35	16 - 26	1 / 1,1	0,5	62	38	52	1 720

REMU COMBI Screening Plant

	Length	Width	Length	Width
Feed conveyor	3 m	1 m	10ft	3ft 3"
Lower conveyor	10 m	80 cm	33ft	2ft 8"
Screeninig element	3 m	80 cm	10ft	2ft 8"
Engine	John Deere diesel		60 kw	90 hp.
Fuel Consumption	Less than		5 l/h	1½ g/h

Length	11 m	36 ft
Height	3 m	10 ft
Width	2.4 m	8 ft
Weight	10 tons.	22000 lbs.

Less handling:
- more production!

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