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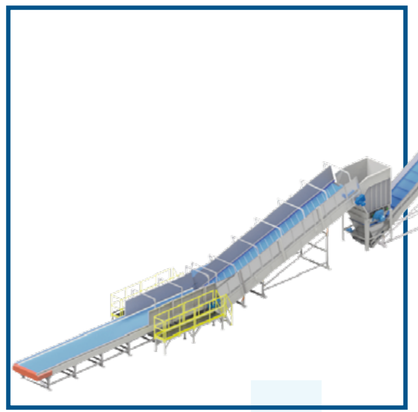
TRANSFORMING TECHNOLOGY
INTO PRODUCTIVITY.

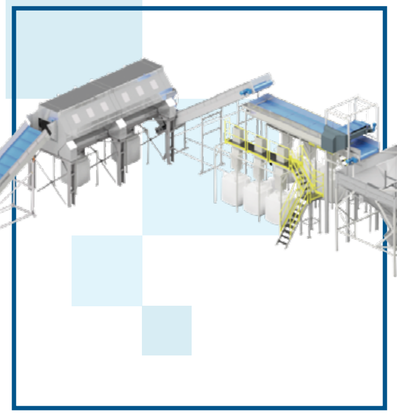
The world needs smart solutions

SUPER WASH PET RECYCLING **SYSTEMS**

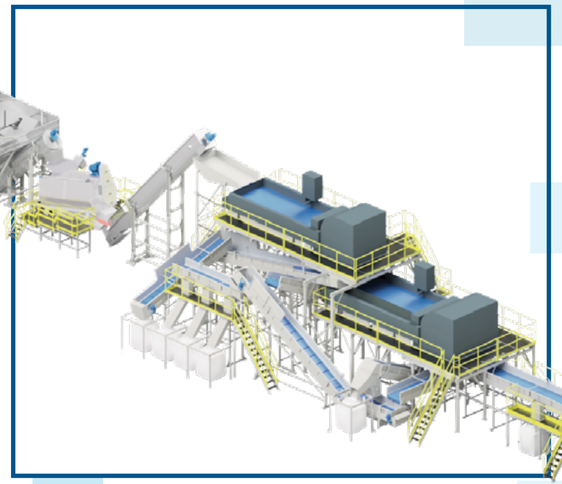
PROCESS STEPS



BALE OPENING

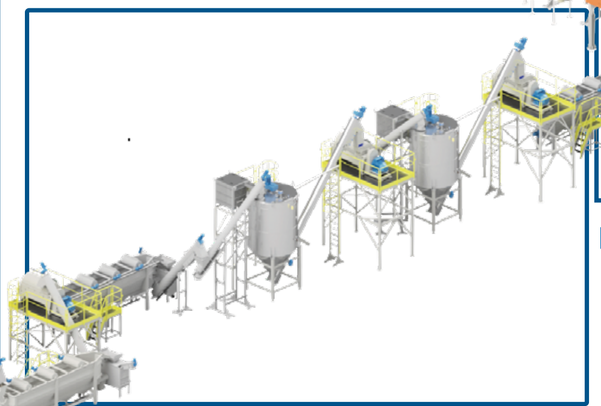


CONTAMINANT REMOVAL AND SORTING



LABEL REMOVAL AND OPTICAL SORTING

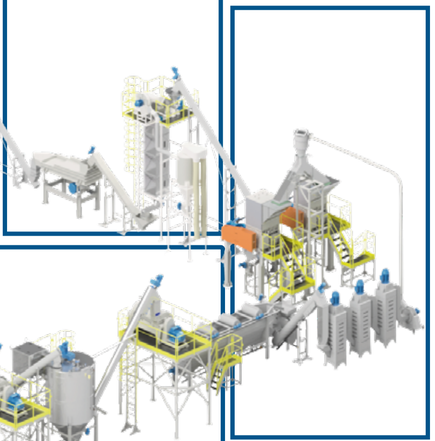
PRE-MILLING



DECANTATION AND SUPER HOT WASH

FLAKES OPTICAL SELECTION

SEPARATION OF LIGHT AND THIN MATERIALS



DRYING AND RE-MILLING

IN THE CURRENT SCENARIO, WHERE ENVIRONMENTAL AWARENESS AND THE SEARCH FOR SUSTAINABLE PRACTICES ARE INCREASINGLY IMPORTANT, THE SEIBT PET RECYCLING SYSTEM EMERGES AS AN INNOVATIVE AND EFFECTIVE SOLUTION.

THE SEIBT SYSTEM REPRESENTS THE FOREFRONT OF PET RECYCLING TECHNOLOGY, COMBINING OPERATIONAL EFFICIENCE AND ENVIRONMENTAL SUSTAINABLE. DESIGNED TO OPTIMIZE THE USE OF RESOURCES, SUCH AS WATER, ENERGY AND CHEMICAL PRODUCTS, THE SEIBT SYSTEM ESTABLISHES A NEW STANDARD IN TERMS OF ENERGY SAVING AND WASTE MINIMIZATION, SIMULTANEOUSLY MINIMIZING THE NEEDS FOR A MANUAL INTERVENTION.

THE SYSTEM LAYOUT CAN BE DESIGN PERSONALIZED, PERFECTLY ADAPTING TO THE SPECIFIC REQUIREMENTS OF EACH CLIENT, ENSURING FLUID INTEGRATION WITH THE EXISTING INFRASTRUCTURES AND PROJECTS UNDER DEVELOPMENT. THE SYSTEM'S FLEXIBILITY IS ENHANCED BY IT'S MODULAR CONSTRUCTION, THAT ALLOWS AN EASY INCORPORATION OF PRE-WASHING OR FLAKE PROCESSING UNITS, AS NEEDED BY THE EXISTING OPERATION.

FROM CAPACITIES THAT CAN VARY FROM 500 UNTIL 3.000 KG/H, THE SEIBT SYSTEM MEETS FOR BOTH SMALL AND LARGE INDUSTRIAL OPERATIONS. THE CUTTING-EDGE TECHNOLOGY USED FOR RECYCLIG ENSURES THAT THE PET PCR FLAKES PRODUCED HAVE A HIGHER QUALITY, COMPATIBLE WITH FOOD GRADE APPLICATIONS.

PRODUCTIVITY PET LINE:

500KG/H

1000KG/H

1500KG/H

3000KG/H

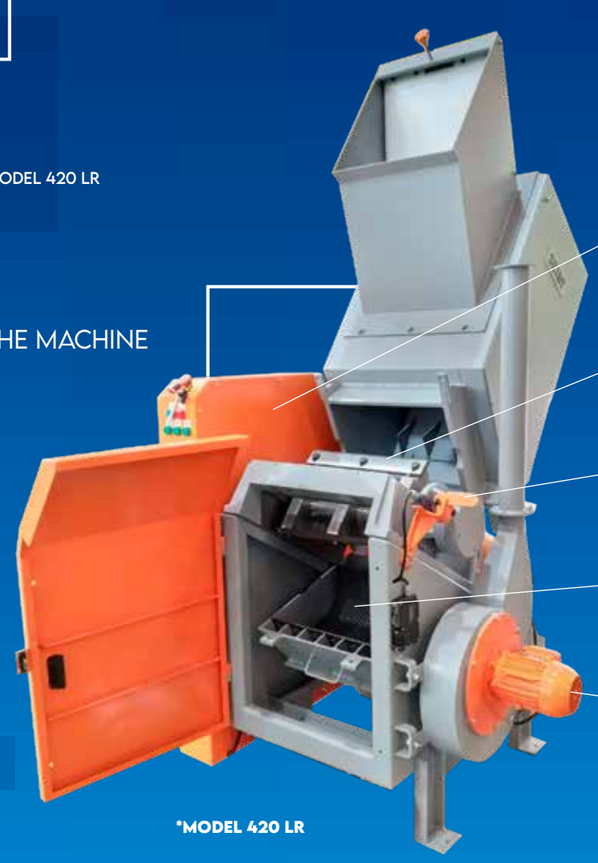
MGHS
LR

*MODEL 420 LR

- FAST CLEANING SYSTEM
- KNIVES PRESETTING OUTSIDE THE MACHINE
- HIGH PERFORMANCE
- LOW ENERGY CONSUMPTION

TECH SPECS

	200LR	250LR	320LR	420LR
FEEDING NOZZLE (MM)	200X215	250X320	320X370	420X420
GRINDING CHAMBER (MM)	210X220	260X270	330X270	425X380
ROTOR DIAMETER (MM)	200	250	250	350
ENGINE (HP)	2-4	4-6	5-10	10-20
PRODUCTION (KG/H)	UP TO 90	UP TO 120	UP TO 180	UP TO 240
ROTATING KNIVES (UN.)	3	3	3	3
FIXED KNIVES (UN.)	2	2	2	2
ROTOR ROTATION (RPM)	215 - 285	240-375	240-375	225-345
FEEDING HEIGHT (MM)	1250	1360	1360	1600
STANDARD INDUSTRIAL SCREEN (MM)	6 TO 12	6 TO 12	6 TO 12	6 TO 12
OCCUPIED AREA WITH CYCLONE (MM)	1100X1190	1250X1405	1270X1480	1425X1590
OCCUPIED AREA WITH DRAWER (MM)	1100X600	1250X680	1270X805	1425X460
HIGHT WITH CYCLONE (MM)	1820	2020	2020	2240
HEIGHT WITH DRAWER (MM)	1525	1750	1750	2100
WEIGHT WITH EXAUST FAN AND CYCLONE (KG)	400	450	550	950
EXAUST FAN ENGINE (HP)	0,5 - 2P	0,75 - 2P	0,75 - 2P	1 - 2P
GRINDING MILL CAPACITY (L)	2	3	7,5	20
DRAWER CAPACITY (L)	15	25	30	35
CUTTING TYPE	"SCISSOR"	"SCISSOR"	"SCISSOR"	"SCISSOR"



*MODEL 420 LR

SAFETY
BELT PROTECTION PROVIDES SAFETY TO THE MACHINE'S OPERATION. THE LR LINE EQUIPMENT IS SUITABLE FOR NR12

QUICK KNIVES CHANGE
THE USE OF TEMPLATES FOR CHANGING THE KNIVES REDUCES THE MACHINE DOWNTIME BECAUSE IT ALLOWS EXTERNAL ADJUSTMENT OF THE KNIVES.

BEARINGS AWAY
BEARING ACCOMMODATION AWAY WITH INSULATION TO BLOCK WATER ENTERING IN THE BEARINGS PREVENTING THEY BEING AFFECTED BY DIRT AND MOISTURE BRINGING A LONGER LIFE TO THE BEARINGS.

QUICK INDUSTRIAL SCREEN CLEANING
ARTICULATED MAGAZINE THAT PROVIDES EASY, FAST AND SAFE ACCESS FOR CHANGING INDUSTRIAL SCREENS AND CLEANING THE MACHINE.

SAFETY LOCK
SAFETY LOCK THAT GUARANTEES SAFE ACCESS TO THE INSIDE OF MACHINE.

SEIBT®

MGHS
LRX

*MODEL 420 LRX

- ACOUSTIC INSULATION
- KNIVES WITH X CUT
- QUALITY
- SAFETY
- HIGH PERFORMANCE
- LOW ENERGY CONSUMPTION
- EASY CLEANING

CARACTERÍSTICAS

	120LRX	200LRX	250LRX	320LRX	420LRX
FEEDING NOZZLE (MM)	70X120	205X210	255X300	325X305	425X340
GRINDING CHAMBER (MM)	65X105	205X240	255X285	325X285	425X380
ROTOR DIAMETER (MM)	125	200	250	250	350
ENGINE (HP)	1-2	2-4	4-6	5 - 7,5 - 10	10 - 15 - 20
PRODUCTION (KG/H)	UP TO 40	UP TO 100	UP TO 150	UP TO 180	UP TO 240
ROTATING KNIVES (UN.)	2	3	3	3	3
FIXED KNIVES (UN.)	1	2	2	2	2
ROTOR ROTATION (RPM)	520	240 - 375	240-375	240 - 375	210-345
FEED HEIGHT (MM)	590	1360	1400	1400	1720
STANDARD INDUSTRIAL SCREEN (MM)	6 TO 12	6 TO 12	6 TO 12	6 TO 12	6 TO 12
OCCUPIED AREA WITH CYCLONE (MM)	N/A	1195X1220	1190X1400	1190X1465	1400X1620
OCCUPIED AREA WITH DRAWER (MM)	400X550	1195X830	1190X875	1190X945	1400X110
HEIGHT WITH CYCLONE (MM)	N/A	2150	2200	2200	2460
HEIGHT WITH DRAWER (MM)	995	1690	1840	1840	2250
WEIGHT EXHAUST FAN AND CYCLONE (KG)	100 (W/ DRAWER)	520	680	730	1200
EXHAUST FAN ENGINE (HP)	N/A	0,5 - 2P	0,75 - 2P	0,75 - 2P	1 - 2P
GRINDING MILL CAPACITY (L)	N/A	2	3	7,5	20
DRAWER CAPACITY (L)	10	15	25	30	35
CUTTING TYPE	"SCISSOR"	"SCISSOR"	"SCISSOR"	"SCISSOR"	"SCISSOR"

*MODEL 420 LRX

ACOUSTIC INSULATION
ROBUST FAIRING THAT BRINGS THIS MODEL LOW NOISE EMISSION PROVIDING A BETTER WORKING ENVIRONMENT.

GRINDING QUALITY AND ENERGY EFFICIENCY
- ROTOR WITH 3 KNIVES WITH CUT IN A SCISSOR TYPE GUARANTEEING LOWER ENERGY CONSUMPTION PEAK.
- PASSAGE OF ROTATING KNIVES NEAR TO THE INDUSTRIAL SCREEN ASSURING EFFICIENCY IN GRINDING.

FAST MACHINE SETUP
- TEMPLATE FOR QUICK KNIVES' CHANGE.
- ARTICULATED MAGAZINE THAT PROVIDES EASY ACCESS FOR CHANGING INDUSTRIAL SCREENS AND CLEANING THE MACHINE.

BEARINGS AWAY
BEARING ACCOMMODATION AWAY AVOIDING BEARINGS OF BEING AFFECTED BY DIRT AND DUST BRINGING A LONGER LIFE TO THE BEARINGS.

MATERIAL OUTPUT OPTIONS
MATERIAL OUTPUT OPTIONS OF GROUND MATERIAL THROUGH AN EXHAUST FAN OR WITH A DRAWER. SPACE FOR AN AUTOMATIC FEEDER PROBE SUITABLE TO THE NEEDS OF CUSTOMER'S PRODUCTION LINE.

MGHS
BSC

TECHS SPECS

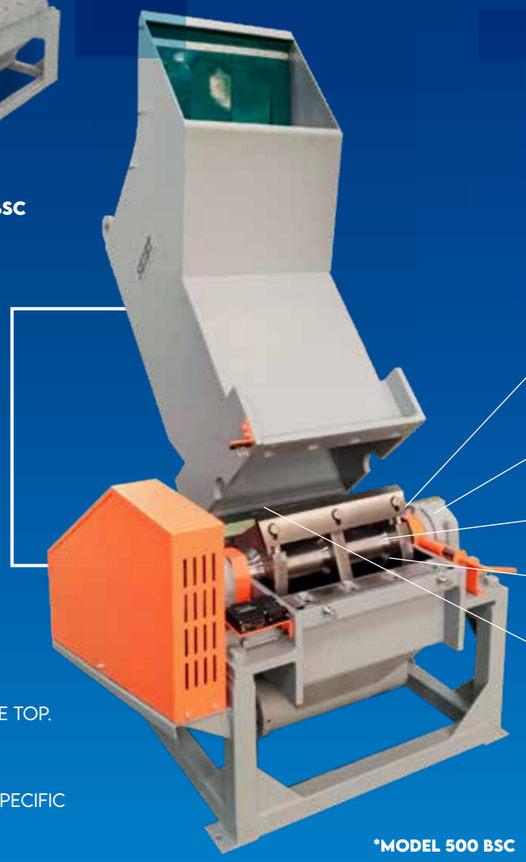
	200BSC	300BSC	400BSC	500BSC	600BSC	700BSC	800BSC	900BSC	1000BSC
FEEDING NOZZLE (MM)	200X260	300X275	400X350	500X390	600X410	700X420	800X480	900X550	1000X610
GRINDING CHAMBER (MM)	200X220	300X275	400X370	500X372	600X420	700X470	800X512	900X575	1000X650
ROTOR DIAMETER (MM)	200	250	350	350	400	450	500	550	600
ENGINE (CV)	4-6	7,5-10-15	15-20	20-25-30	30-40-50	50-60	60-75	75	75-100
PRODUCTION (KG/H)	UP TO 280	UP TO 400	UP TO 600	UP TO 800	UP TO 1100	UP TO 1500	UP TO 1800	UP TO 2100	UP TO 2500
ROTATING KNIVES (UN.)	3	3	3	3	6	6	6	6	6
FIXED KNIVES (UN.)	2	2	2	2	2	2	2	4	4
ROTOR ROTATION (RPM)	800	800	800	750	750	600	600	600	600
FEEDING HEIGHT (MM)	1270	1300	1450	1450	1500	1570	1700	1860	2100
STANDARD INDUSTRIAL SCREEN (MM)	6 TO 22	6 TO 22	6 TO 22	6 TO 22	6 TO 22	6 TO 22	6 TO 22	6 TO 22	6 TO 22
OCCUPIED AREA (MM)	510X1020	720X1180	880X1450	1050X1430	1200X1540	1370X1960	1520X2000	1600X2200	1700X2350
WEIGHT (KG)	210	310	480	740	1140	1500	1880	2500	3400

*MODEL 500BSC

*MODEL 400BSC

*MODEL 800BSC

- HIGH GRINDING PERFORMANCE.
- ROTOR WITH KNIVES POSITIONED IN A "SCISSOR" CUT.
- EASY MAINTENANCE MIL.
- DRY OR WATER GRINDING.
- QUICK CHANGE OF INDUSTRIAL SCREEN MADE FROM THE TOP.
- SAFETY KEY WITH LOCK NEXT TO THE FEEDING NOZZLE.
- COMPLIANCE WITH THE CURRENT SAFETY NORMS AND SPECIFIC ABNT NBR NORM 15.107.



*MODEL 500 BSC

BEARINGS HOUSING AWAY FROM THE GRINDING BOX:
BEARING HOUSING AWAY, WITH INSULATION TO BLOCK THE ENTRY OF WATER IN THE BEARING PREVENTING THEM FROM BEING HIT BY DIRT AND HUMIDITY, BRINGING A LONGER LIFE TO THE BEARINGS.

MAINTENANCE AND SAFETY FACILITY:
SELF-COMPENSATING BEARINGS LOCATED BY ADAPTER SLEEVES FACILITATING THEIR REPLACEMENT. ROTOR BRAKE MONITORED BY MICRO LIMIT SWITCH ENSURING SAFETY WHEN CHANGING KNIVES AND OTHER MAINTENANCE AND CLEANING OF EQUIPMENT. CERTIFIED SAFETY SOLENOID KEY WITH LOCK ATTACHED BESIDE THE MILL FEED NOZZLE.

ENERGY EFFICIENCY:
ROTOR WITH 3 OR 6 KNIVES VARYING ACCORDING TO THE MACHINE SIZE; BOTH WITH SCISSORS-TYPE CUTS GIVING A LOWER PEAK OF ENERGY CONSUMPTION.

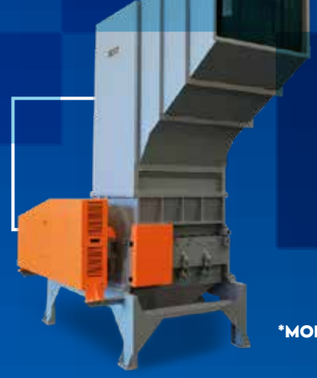
DURABILITY:
FIXED AND ROTATING KNIVES WITH REGULATION ADJUSTMENT MADE OF SPECIAL VND STEEL HARDENED AND GROUND; THICKER AND WIDER THAN USUAL ON THE MARKET PROVIDING LONGER PIECES USEFUL LIFE.

QUICK CHANGE OF INDUSTRIAL SCREEN:
INDUSTRIAL SCREEN SET OVER THE GRINDING BOX AND ACCESSED FROM TOP BY REMOVING THE FIXED KNIFE. THUS ENSURING GREATER ROBUSTNESS NECESSARY FOR GRINDING.

MGHS
A2

*MODEL 600A2

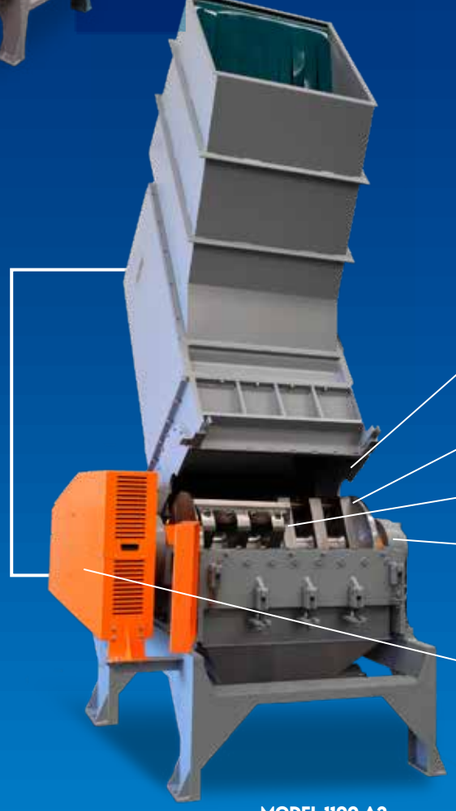
*MODEL 700A2



*MODEL 1100A2

TECH SPECS

	300A2	400A2	500A2	600A2	700A2	800A2	900A2	1000A2	1100A2	1200A2	1300A2
FEEDING NOZZLE (MM)	300X330	400X400	500X430	600X430	700X610	800X680	900X850	1000X850	1100X850	1200X850	1300X850
GRINFDING CHAMBER (MM)	300X410	400X470	500X520	600X520	700X680	800X800	900X920	1000X920	1100X920	1200X1050	1300X1050
ROTOR DIAMETER (MM)	300	350	400	400	450	600	700	700	700	800	800
ENGINE (HP)	10-15-20	20-25	30-40	50-60	60-75	75-100	75-100-125	100-125-150	100-125-150	150-175-200	150-175-200
PRODUCTION (KG/H)	UP TO 500	UP TO 700	UP TO 1000	UP TO 1500	UP TO 2000	UP TO 2500	UP TO 3000	UP TO 3500	UP TO 4000	UP TO 4500	UP TO 5000
ROTATING KNIVES (UN.)	3	3	6	6	6	6	6	6	6	6	6
FIXED KNIVES (UN.)	2	2	2	2	2	4	4	4	4	4	4
ROTOR ROTATION (RPM)	800	800	720	720	530	600	600	600	600	500	500
FEEDEING HEIGHT (MM)	1630	1730	1780	1780	2070	2370	2630	2630	2950	3300	3300
STANDARD INDUSTRIAL SCREEN (MM)	6 TO 22	6 TO 22	6 TO 22	6 TO 22	6 TO 22	6 TO 22	6 TO 22	6 TO 22	6 TO 22	6 TO 22	6 TO 22
OCCUPIED AREA (MM)	820X1500	1050X1980	1200X2090	1300X2090	1450X2430	1780X2900	1900X3300	2000X3300	1980X3300	2500X3900	2500X4000
WEIGHT (KG)	650	1200	1700	1780	2500	4050	5250	5500	6250	7300	8000



MODEL 1100 A2

- HIGH GRINDING PERFORMANCE.
- DEVICE/TEMPLATE FOR ADJUSTING ITS KNIVES OUTSIDE THE MILL.
- DRY OR WET GRINDING.
- MODERN DESIGN THAT FACILITATES MAINTENANCE – SWITCHING KNIVES AND INDUSTRIAL SCREEN.
- SECURITY KEY WITH LOCK NEXT TO THE FRONT COVER FOR ACCESS TO THE GRINDING CHAMBER.
- COMPLIANCE WITH THE CURRENT SAFETY NORMS AND SPECIFIC NORM ABNT NBR 15.107.

MACHINE OPENING:

ARTICULATING MAGAZINE ENSURING EASY ACCESS FOR CLEANING AND SWITCHING INDUSTRIAL SCREENS. 120º INDUSTRIAL SCREEN AREA WHICH GIVES THE MACHINE GREATER PRODUCTIVITY. SCREW FOR OPENING THE MAGAZINE AND FEEDING NOZZLE AT THE REAR OF MILL KEEPING THE FRONT AREA FREE FOR MAINTENANCE.

GRINDING QUALITY AND ENERGY EFFICIENCY

ROTOR WITH INTERLEAVED CUT IN A SCISSOR TYPE WITH TRANSPASS BETWEEN RIGHT AND LEFT ROTATING KNIVES GUARANTEEING LOWER ENERGY CONSUMPTION PEAK. PASSAGE OF ROTATING KNIVES NEAR TO THE INDUSTRIAL SCREEN ASSURING EFFICIENCY IN GRINDING.

ROTOR AND GRINDING BOX WITH INSERT

INSERTS FOR PLACING FIXED AND ROTATING KNIVES FACILITATING MAINTENANCE IN CASES OF FAILURE IN THE FIXING THREADS.

BEARINGS AWAY

BEARING ACCOMMODATION AWAY WITH INSULATION TO BLOCK WATER ENTERING IN THE BEARINGS PREVENTING THEY BEING AFFECTED BY DIRT AND MOISTURE BRINGING A LONGER LIFE TO THE BEARINGS.

FAST MACHINE SETUP

TEMPLATE FOR QUICK KNIVES' CHANGE.
BEARINGS FIXED BY DISASSEMBLY SLEEVES AND KM NUT FOR QUICK DISASSEMBLY.
QUICK REPLACEMENT OF THE SIDES OF THE UPPER BOX AND MAGAZINE.

INTERN MECHANISM

SHREDDER **TS**

	TS400	TS600	TS800	TS1000
NOZZLE FEEDING (MM)	675X630	900X700	1100X900	1200X1100
FEEDING TUBE HEIGHT (MM)	1850	2200	2200	2500
GRANULATION CHAMBER (MM)	450X421	550X643	900X980	900X980
TURNING DIAMETER (MM)	220	275	475	475
AXIS 1 (RPM)	22	24,5	12,5	12,5
AXIS 2 (RPM)	16	19	10	10
ROTOR BLADE (UN.)	22	26	22	20
OCCUPIED AREA (MM)	1085X1215	1360X2015	1470X3200	1470X3570
WEIGHT (KG)	1500	2000	3800	5000
MOTOR POWER (CV)	10 (2X)	15 - 20 (2X)	20 (2X)	25 (2X)

INTERN MECHANISM

	TPS500	TPS800	TPS1000	TPS1200
NOZZLE FEEDING (MM)	980X540	980X840	1080X1070	1080X1240
ROTOR DIAMETER (MM)	350	350	450	450
ENGINE (HP)	50 - 60	60 - 75	75 - 100	100 - 125
PLANETARY GEAR	1:14,5	1:14,5	1:17,5	1:17,5
ROTATION (RPM)	120	120	100	100
CUTTING TYPES - FIXED KNIVES (UN.)	4	4	4	4
CUTTING TYPES - CUTTING INSERTS (UN.)	51	82	82	98
SIEVE	OPCIONAL	OPCIONAL	OPCIONAL	OPCIONAL
OCCUPIED AREA (MM)	1850X2070	1850X2400	2000X2800	2000X3000
WEIGHT (KG)	3500	3800	4350	4750
GRANULATION CHAMBER (MM)	350X540	350X840	450X1000	450X1200

SHREDDER SINGLE SAFT **TPS**

TUBES **GRINDER**

	420T	500T
NOZZLE FEEDING(MM)	400X420	420X500
GRANULATION CHAMBER (MM)	420X620	500X850
ROTOR DIAMETER (MM)	600	850
ENGINE (HP)	30	60
PRODUCTION (KG/H)	600	N/A
REVOLVING KNIVES (UN.)	3	3
FIXED KNIVES (UN.)	2	2
ROTOR ROTATION (RPM)	490	530
FEEDING TUBE - LENGHT (MM)	6700	6700
STANDARD SIEVES (MM)	10 A 22	10 A 22
OCCUPIED AREA (MM)	1120X1560	1500X2050
WEIGHT (KG)	1700	2950

TUBES AND PROFILE **GRINDING MILL**

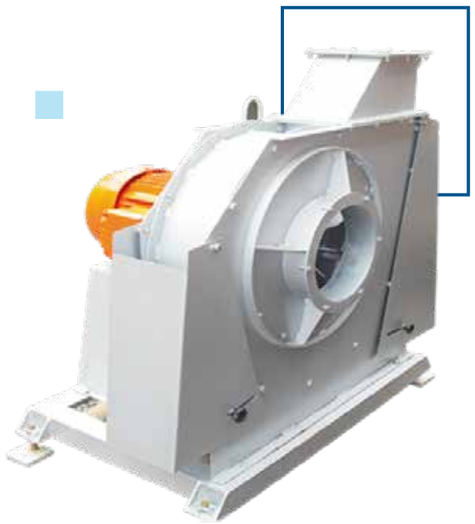
	250TP	320TP	420TP
NOZZLE FEEDING (MM)	140X250	170X320	220X420
GRINDING CHAMBER (MM)	260X270	330X270	350X420
ROTOR DIAMETER (MM)	250	250	350
ENGINE (HP)	10	15 - 20	20 - 25
PRODUCTION (KG/H)	UP TO 180	UP TO 300	ATÉ 400
ROTATING KNIVES (UN.)	2	2	3
FIXED KNIVES (UN.)	2	2	2
ROTOR ROTATION (RPM)	375	590	590
HEIGHT OF FEED TUNNEL - LENGHT (MM)	1300	1300	1540
STANDARD INDUSTRIAL SCREEN (MM)	6 TO 20	6 TO 20	6 TO 20
OCCUPIED AREA (MM)	570X1320	650X1200	850X1700
WEIGHT (KG)	370	550	750

THERMOFORMING
GRINDING MILL

TECH SPECS

	600TF	750TF	900TF	1050TF	1350TF
PULLER ROLLER WIDTH (MM)	610	760	910	1060	1355
FEEDING NOZZLE (MM)	615	765	915	1065	1365
AUXIALIARY FEEDING NOZZLE (MM)	300X135	300X135	300X135	500X175	600X175
GRINDING CHAMBER (MM)	615X250	765X255	915X255	1070X255	1350X255
ROTOR DIAMETER (MM)	250	250	250	250	250
ENGINE (HP)	7,5	10	15 - 20	25	25
PRODUCTION (KG/H)	UP TO 150	UP TO 200	UP TO 250	UP TO 300	UP TO 400
ROTATING KNIVES (UN.)	8	10	12	14	18
FIXED KNIVES (UN.)	4	6	6	8	10
ROTOR ROTATION (RPM)	530	530	800	800	800
FEED HEIGHT (MM)	1550	1550	1550	1460	1460
STANDARD INDUSTRIAL SCREEN (MM)	6 TO 22	6 TO 22	6 TO 22	6 TO 22	6 TO 22
OCCUPIED AREA (MM)	1430X1690	1230X1900	1430X1990	1680X2170	1800X2440
WEIGHT (KG)	1300	1450	1600	2200	2500

HIGH RESISTANCE, LOW LEVEL OF NOICES AND ARE EASY TO CLEAN.



VCS
BLOWER

	VCS - 280	VCS - 315	VCS - 355	VCS - 400	VCS - 450	VCS - 500	VCS - 560
FLOW (M3/H)	850	1120	180	2200	2500	3000	4000
PRESSURE (MMCA)	160	200	250	315	450	630	800
POWER (HP)	1	2	3	5	7,5	10 - 12,5	12,5 - 15

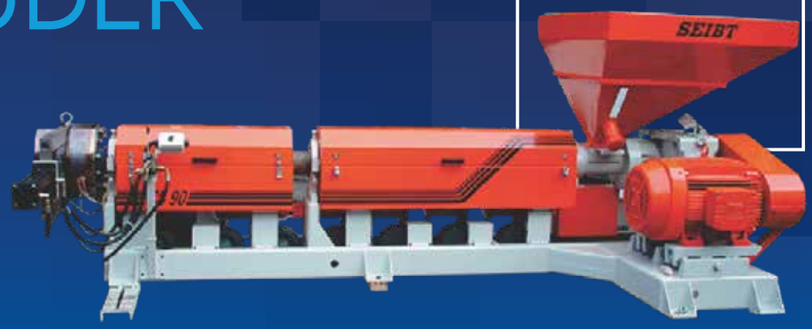
GRINDER
FOR EDGE TRIM

	200RCX	250RCX
WIDTH OF THE TRACTION ROLLS (MM)	185 (USEFUL)	185 (USEFUL)
GRANULATION CHAMBER (MM)	205X240	275X285
ROTOR DIAMETER (MM)	200	250
ENGINE (HP)	6	7,5
PRODUCTION (KG/H)	UP TO 60	UP TO 120
REVOLVING KNIVES (UN.)	4	4
FIXED KNIVES (UN.)	2	2
ROTOR ROTATION (RPM)	440	440
HEIGHT OF THE NOZZLE FEED (MM)	1100	1100
STANDARD SIEVE (MM)	6 A 22	6 A 22
OCCUPIED AREA (MM)	870X1220	870X1310
WEIGHT (KG)	300	410
CUTTING TYPE	"X"	"X"

SILOS

	CYCLONE 180 (L)	CYCLONE 300 (L)	SILO CYCLONE 1000 (L)	SILO CYCLONE 1700 (L)	SILO CYCLONE 3200 (L)	SILO FILM (M3)	SILO FILM (M3)
CAPACITY	180	300	1000	1700	3200	13	15

EXTRUDER



	ES - 25	ES - 35	ES - 45	ES - 60	ES - 75	ES - 90	ES - 120
ENGINE (HP)	4	6 - 7,5	15	20 - 30	30 - 40	60 - 75	100 - 125
PRODUCTION (KG/H)	ATÉ 8	ATÉ 12	ATÉ 30	ATÉ 90	ATÉ 120	ATÉ 200	ATÉ 350

NITRATED SCREW IN STEEL 8550. NITRATED AND POLISHED CANYON IN STEEL 8550. COOLING BY WATER AT THE FEED ZONE AND COOLING BY FAN AT THE HEATING ZONES. THREE-PHASE ELETRIC MOTOR DRIVEN BY POLLEY TRANSMISSION OR BY AC DRIVE. ELECTRICAL CONTROL BOARD 220V OR 380V.

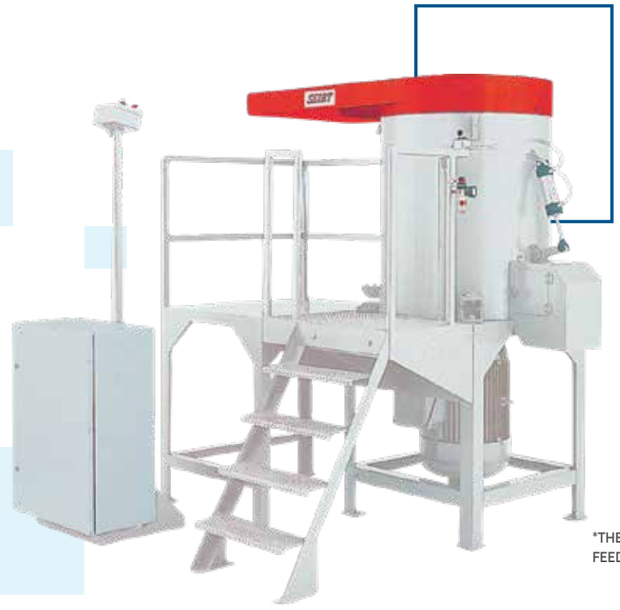
EXTRUDER
LAB TEST

SCREW DIAMETER (MM)	35
ENGINE (HP)	6
HEATING AREAS (UN)	6
SCREW (LD)	1:30
HEATING (W)	9500
CUTTER POWER (HP)	1

CUTTER

- EXCHANGEABLE AND ADJUSTABLE ROTOR KNIVES
- CONSTRUCTED IN SPECIAL STEEL WITH LOW NOISE CUTTING SYSTEM
- DRIVE BY INVERTER BOARD
- UNIFORM GRANULAR

	PS - 50	PS - 100	PS - 160	PS - 220
ENGINE (HP)	1	2	3	5
PRDUCTION (KG/H)	UP TO 50	UP T 150	UP TO 200	UP TO 350



AGGLUTINATOR

- OUTPUT NOZZLE WITH PNEUMATIC OPENING
- AUTOMATED WATER INJECTION
- ACCESS PLATAFORM FOR THE AS 700 AND AS 900 MODELS

	AS - 500	AS - 700	AS - 900
ENGINE (HP)	30	50	75
PRODUCTION (KG/H)*	UP TO 150	UP TO 180	UP TO 250

*THE HOURLY OUTPUT CAN CHANGE DEPENDING OF THE PARTICLE SIZE, FEEDING AND LEVEL OF MOISTURE IN THE MATERIAL.

DUST SEPARATOR
SPS

	250**	355**	400**	450**
ENGINE (CV)	0,75	3	5	7,5
PRODUCTION (KG/H)*	UP TO 150	UP TO 400	UP TO 500	UP TO 700

*MILLS PRODUCTION

*** POWERED BY INVERTER BOARD.

ACOUSTIC ISOLATION
CABINS

FOR GRINDERS. CUSTOMIZED ACCORDING TO CUSTOMER NEEDS.

SLFS
SEIBT LIGHT AND THIN SEPARATOR

SEIBT LIGHT AND THIN SEPARATORS WERE DEVELOPED TO PERFORM THE SEPARATION OF POWDER AND LIGHT PARTICLES OF GRANULES / FLAKES DUE DENSITY DIFFERENCE. HIGH PRODUCTIVITY MACHINES SLFS LINE IS USED TO CLEAN DIFFERENT TYPES OF PLASTICS MATERIALS:

• **PET LINES:** INSTALLED AT THE END OF THE RECYCLING LINE, SLFS REMOVE DUST AND FLAKE LABELS.

• **RIGID PLASTICS:** INSTALLED AT THE END OF THE RECYCLING LINE OR AT THE END OF THE MILLING PLANT, EQUIPMENT WORKS IN CLEANING THE MATERIAL, REMOVING DUST, LINTS AND OTHER THIN MATERIALS. WITH THIS PROCESS OF CLEANING, SLFS IMPROVES THE QUALITY OF THE MATERIAL THAT WILL BE USED IN THE FOLLOWING PROCESSES SPECIALLY IN INJECTED MATERIALS.

• **VARIED SEPARATIONS:** THE EQUIPMENT PROVIDES A WIDE RANGE OF APPLICATIONS WHERE YOU HAVE CONTAMINATED MATERIALS AND DIFFERENCES IN ITS SPECIFIC DENSITIES / WEIGHTS.

DESIGNED AND PRODUCED TO MEET CUSTOMERS' PRODUCTIVITY NEED.

SFS
FIBER SEPARAT

SEIBT FIBER SEPARATORS ARE USED TO SEPARATE THE FIBER PRESENT IN HOSES AMONG OTHERS PLASTIC MATERIALS.

ACHIEVE EXCELLENT FIBER SEPARATION RESULTS WHEN USED IN COMBINATION WITH GRINDING MILLS USING SMALL HOLE INDUSTRIAL SCREEN.

THIS EQUIPMENT INTEGRATES THE FOLLOWING PROCESS OF THE GRINDING AND TO ENSURE A BETTER RESULT OF THE FIBERS SEPARATION IT IS NECESSARY THAT THE GRINDING
BE ABLE TO RELEASE THE FIBER FROM THE PLASTIC GRANULE.

SINCE 1974 SEIBT SEARCHES FOR SOLUTIONS AND ALTERNATIVES THAT STIMULATE PROGRESS WITH RESPECT TO NATURAL RESOURCES. A HISTORY OF SUCCESS; RECYCLING IDEAS FOR A MORE INTELLIGENT FUTURE.

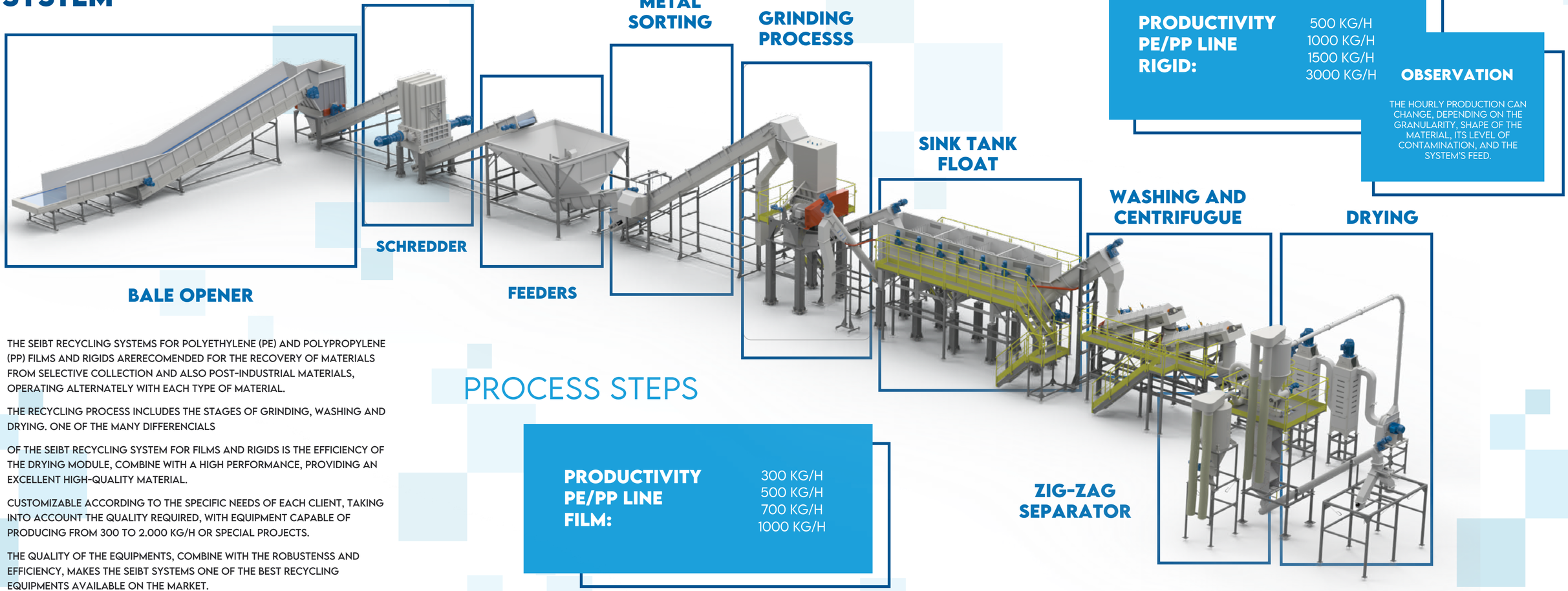
LOCATED IN NOVA PETRÓPOLIS CITY IN RIO GRANDE DO SUL, SEIBT PROVIDES MACHINES AND EQUIPMENT FOR PLASTIC RECOVERY EITHER PRE OR POST CONSUMPTION PROCESSES.

PRODUCES COMPLETE RECYCLING SYSTEMS IN ADDITION TO MEDIUM AND LOW ROTATION FOR THE REUSE OF WASTE, PARINGS AND GENERAL PLASTICS SCRAP. DESIGNED WITH THE HIGHEST TECHNOLOGY TO OFFER MAXIMUM EFICIENCY AND PRODUCTIVITY ACCORDING TO EACH SPECIFIED NEED OF ITS CLIENTS.

THIS GUARANTEES THE BEST QUALITY OF THE PROCESSED MATERIAL. THERE ARE MORE THAN 50 DIFFERENT MODELS OF MACHINES AND EQUIPMENT, BETWEEN GRINDING MILLS AND SHREDDRES, IN ADDITION TO AGGLOMERATORS, EXTRUDERS, PERFORATORS, EXHAUSTORS, SILOS, CONVEYOR BELTS AND SCREW; COMPLETE PLASTIC RECYCLING SISTEM LINES AND EFFLUENT TREATMENT PLANT. ALL DEVELOPED TO IMPROVE YOUR BUSINESS PRODUCTIVITY.

SEIBT®

PE/PP RECYCLING **SYSTEM**



BALE OPENER

SCHREDDER

FEEDERS

METAL SORTING

GRINDING PROCESSS

SINK TANK FLOAT

WASHING AND CENTRIFUGUE

DRYING

ZIG-ZAG SEPARATOR

THE SEIBT RECYCLING SYSTEMS FOR POLYETHYLENE (PE) AND POLYPROPYLENE (PP) FILMS AND RIGIDS ARERECOMENDED FOR THE RECOVERY OF MATERIALS FROM SELECTIVE COLLECTION AND ALSO POST-INDUSTRIAL MATERIALS, OPERATING ALTERNATELY WITH EACH TYPE OF MATERIAL.

THE RECYCLING PROCESS INCLUDES THE STAGES OF GRINDING, WASHING AND DRYING. ONE OF THE MANY DIFFERENCIALS

OF THE SEIBT RECYCLING SYSTEM FOR FILMS AND RIGIDS IS THE EFFICIENCY OF THE DRYING MODULE, COMBINE WITH A HIGH PERFORMANCE, PROVIDING AN EXCELLENT HIGH-QUALITY MATERIAL.

CUSTOMIZABLE ACCORDING TO THE SPECIFIC NEEDS OF EACH CLIENT, TAKING INTO ACCOUNT THE QUALITY REQUIRED, WITH EQUIPMENT CAPABLE OF PRODUCING FROM 300 TO 2.000 KG/H OR SPECIAL PROJECTS.

THE QUALITY OF THE EQUIPMENTS, COMBINE WITH THE ROBUSTENSS AND EFFICIENCY, MAKES THE SEIBT SYSTEMS ONE OF THE BEST RECYCLING EQUIPMENTS AVAILABLE ON THE MARKET.

PROCESS STEPS

PRODUCTIVITY PE/PP LINE FILM:

300 KG/H
500 KG/H
700 KG/H
1000 KG/H

PRODUCTIVITY PE/PP LINE RIGID:

500 KG/H
1000 KG/H
1500 KG/H
3000 KG/H

OBSERVATION

THE HOURLY PRODUCTION CAN CHANGE, DEPENDING ON THE GRANULARITY, SHAPE OF THE MATERIAL, ITS LEVEL OF CONTAMINATION, AND THE SYSTEM'S FEED.