

2573 Kunststoff-Reyclinganlage / Plastic Recycling Plant

- Pos. Designation
- 2 **Pos. 2-16: Plant technology, steel construction, conveyor technology, ballistic separator**, make: SUTCO, consisting of positions 2-16
 - 3 **Chain belt conveyor**, As a bale feed conveyor including filler wall for simultaneous feeding of up to 10 bales, total length approx. 20 m including incline
 - 4 **Pre-shredder (Metso)**, make: M+J, type: K 160-7 HDC, Version with 7 blades, low-speed, capacity up to 274 tonnes per hour (various PP materials), grain size \leq 300 mm, cutting table, size 3,048 x 2,040 mm, cutting area 1,552 x 1,600 mm, with rotating blades, 2 shafts each with 7 rotating blades, chassis and conveyor belt, drive unit, with electric motors, hydraulic system, oil coolers, SIEMENS S7 PLC controller, 4-sided hopper
 - 5 **Conveyor belt as discharge conveyor**, Total length approx. 12,700 mm, ascending, on steel construction, with geared electric motor
 - 6 **Conveyor belt as ascending conveyor**, Total length approx. 14,300 mm, ascending, belt width 1,200 mm, sectional steel construction, with geared electric motor
 - 7 **Conveyor belt as feed conveyor, Fe-separator**, Total length approx. 4,600 mm, ascending, sectional steel construction, with geared electric motor
 - 8 **Overbelt magnet**, make: STEINERT, type: UME 135 150C, new in 2023
 - 9 **Transfer, magnetic separator**
 - 10 **Conveyor belt as feed conveyor, ballistic separator**, Total length approx. 21,000 mm, ascending, frequency converter, with geared electric motor, sectional steel construction
 - 11 **Ballistic separator**, make: SUTCO RECYCLING TECHNIK GMBH, type: SU BS 12, Total length approx. 8,030 mm, effective length 7,130 mm, 12 paddles 340 mm each, power 2 x 5.5 kW, total paddle length 6,200 mm
 - 12 **Transfer chutes for ballistic separator**, make: SUTCO, Sectional steel construction, galvanized
 - 13 **Conveyor belt as collecting conveyor, fine grain**, Total length approx. 6,500 mm, straight, belt width 2,000 mm, with geared electric motor
 - 14 **Arched belt as collecting conveyor, fine grain / residues**, Total length approx. 25,000 mm, variably ascending, belt width 800 mm, with geared electric motor, sectional steel construction, arched belt

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- 15 **Conveyor belt as ascending conveyor, fine grain / residues**, Total length approx. 5,000 mm, straight, with geared electric motor, sectional steel construction, belt width 800 mm
 - 16 **Conveyor belt as collecting conveyor, 2D/3D**, Total length approx. 18,000 mm, ascending, variable speed, belt width 2,900 mm, with geared electric motor, sectional steel construction
 - 17 **Lot No. 18-24: TOMRA sorting system**, consisting of positions 18-24
 - 18 **Autosort Speedair scanner unit / NIR I sorting module**, make: TOMRA, type: AUTOSORT SPEEDAIR NR I/HR 2800 X-L, new in 2022, serial no.: n-F-430290-22-03279, System width 2,800 mm, NIR sensor unit, Sharp Eye technology, valve block type 200/25, positioning system, automatic material jam detector, with rotating separating top, module for air support when sorting light materials and for sorting at increased belt speed, valve system type 200/25
 - 19 **Conveyor belt as collecting conveyor, residues/NIR I**, Total length approx. 5,500 mm, belt width 1,000 mm, with geared electric motor, sectional steel construction, with mechanical shifting
 - 20 **Autosort Speedair scanner unit, mechanics / NIR II**, make: TOMRA, type: AUTOSORT SPEEDAIR NIR I T4HR-2800 M-L, new in 2022, serial no.: n-f-4102112-22-00060, System width 2,800 mm, air support, accelerator belt, length 6,000 mm, separation chamber with rotating separating top, control cabinet for AUTOSORT SPEEDAIR NIR SENSORS, with acceleration belt, separation chambers, with rotating separating top, module for air support when sorting light materials and for sorting at increased belt speed, valve system type 200/25
 - 21 **Conveyor belt as collecting conveyor, residues/NIR II**, Total length approx. 5,500 mm, belt width 1,000 mm, with geared electric motor, sectional steel construction, straight, with mechanical shifting
 - 22 **Conveyor belt as feed conveyor, secondary shredder**, Total length approx. 15,000 mm, belt width 1,800 mm, ascending, with geared electric motor, sectional steel construction
 - 23 **Autosort Speedair scanner unit, mechanics / NIR I**, make: TOMRA, type: AUTOSORT SPEEDAIR NIR I T4HR-2800 M-L, new in 2022, serial no.: n-f-4102112-22-00059, System width 2,800 mm, air support, accelerator belt, length 6,000 mm, separation chamber with rotating separating top, control cabinet for AUTOSORT SPEEDAIR NIR SENSORS, with acceleration belt, separation chambers, with rotating separating top, module for air support when sorting light materials and for sorting at increased belt speed, valve system type 200/25

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- 24 **Autosort Speedair scanner unit / NIR II sorting module**, make: TOMRA, type: AUTOSORT SPEEDAIR NR I/HR 2800 X-L, new in 2022, serial no.: n-F-430290-22-05273, System width 2,800 mm, NIR sensor unit, Sharp Eye technology, valve block type 200/25, positioning system, automatic material jam detector, with rotating separating top, module for air support when sorting light materials and for sorting at increased belt speed, valve system type 200/25
 - 25 **Steel accessibility constructions, presorting system**, Stairway and grating constructions with railings, ladders or stairs, to access the system
 - 26 **Secondary shredder (Pos. 26-29)**, make: LINDNER RECYCLING TEC GMBH, type: KOMET 2200 HP, new in 2022, serial no.: 7647, consisting of positions 26-29, Including feed hopper, control cabinet, hydraulic unit, 2 x 200 kW, 400 V, 50 Hz, with LINDNER FPS control system
 - 27 **3-level adjustable grating platform**, make: KRAUSE, Aluminium
 - 28 **Conveyor belt as elevated conveyor**, ≤ 30 mm, total length approx. 10,000 mm, belt width 1,400 mm, ascending, with geared electric motor, sectional steel construction, transversely stable belt, bend area with low-pressure rollers
 - 29 **Conveyor belt as ascending conveyor**, ≤ 30 mm, total length approx. 18,500 mm, belt width 1,000 mm, ascending, with geared electric motor, sectional steel construction
 - 30 **Lot No 31-53: Washing and processing line, PP (overall plant)**, make: OSWALD METZEN/REANTEC, Including mixing silo in finishing section, consisting of positions 31-53
 - 31 **Conveyor belt**, Long, approx. 20 m, inclined conveyor
 - 32 **Buffer silo**, make: OSWALD METZEN, With double discharge screw conveyor, hopper volume approx. 20 cbm, sectional steel frame, galvanised, fill level sensor
 - 33 **2 screw conveyors**, make: OSWALD METZEN, type: TFS 500, new in 2022, Length approx. 7 m, screw dimensions approx. 500 x 7000 mm, ascending, sectional steel frame, galvanised
 - 34 **Mechanical dry cleaner**, make: REANTEC, type: TR 900, new in 2022, With radial fan / rotary valve, manufactured by REITZ, type RGE 75/500-V-00 (serial no. 393389), order no. RMFT75/500V, up to 75 m³/minute, shaft power 10 kW, up to 2900 rpm, belt control unit, integrated collecting screws for dirt removal, mounted on steel frame, on vibration dampers

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- 35 **Mechanical dry cleaner**, make: REANTEC, type: TR 900, new in 2022, With radial fan / rotary valve, manufactured by REITZ, type RGE 75/500-V-00 (serial no. 393388), order no. RMFT75/500V, up to 75 m³/minute, shaft power 10 kW, up to 2900 rpm, belt control unit, integrated collecting screws for dirt removal, mounted on steel frame, on vibration dampers
- 36 **2 inclined screw conveyors**, make: TST TRENNSO-TECHNIK GMBH, type: TFS 250, Diagonally ascending
- 37 **Screw conveyor**, make: OSWALD METZEN, type: TFS 600 X 8 M, approx. 1,800 kg/h, sectional steel frame
- 38 **Runi plant**, make: RUNI A.S. DÄNEMARK, type: 97370, new in 2020, serial no.: 2295, Red, digital display, control panel, up to 15 kW
- 39 **Granulator**, make: DREHER, type: KX 60/150 N, Rotor diameter 600 mm, working width 1500 mm, motorised cutting blades, 7 rows with 2 cutting blades each, sectional steel support frame, with platform, control cabinet, separate control, currently defective / under repair
- 40 **Double screw conveyor**, type: FSII 300, Screw dimensions 2 x 300 m x 6000 mm
- 41 **Friction separator**, make: REANTEC, type: FA 600, For pre-cleaning the grinding stock, drive power 45 kW, housing length 3000 mm
- 42 **Screw conveyor**, make: OSWALD METZEN, type: TFS 600 X 8000 MM, Sectional steel frame
- 43 **Washing system / separation tank (float/sink tank)**, make: OSWALD METZEN, type: TB 7-S-KF, L/W/H 5 x 3 x 3.5 m, stainless steel / sectional steel construction, with 7 paddle drums, electric motor drive, chain scraper conveyor, maintenance and inspection platform, with walkway
- 44 **Reantec plant**, make: REANTEC, type: TR900, new in 2022, serial no.: 272, Order no. 50532
- 45 **Reantec plant**, make: REANTEC
- 46 **2 inclined spindle conveyors**, make: OSWALD METZEN, With electric drive
- 47 **Friction separator (pre-/post-dryer)**, make: REANTEC, type: FAR-L/ FA 600 RE-I, new in 2022, serial no.: 276, Order no. 21050532, drive 30 kW
- 48 **Mechanical dryer**, make: REANTEC, type: TM 900
- 49 **Power unit**, make: TST TRENNSO-TECHNIK GMBH

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- 50 **Radial fan**, make: REITZ, type: RGE 110/1100-V-00, new in 2022, serial no.: 620075, Intake temperature 100 degrees, volume flow 110 m³/minute, total pressure increase up to 1,120 dPa, shaft power up to 32.5 kW, up to 2,920 rpm, washing temperature up to 180°C
- 51 **Thermal post-drying**, make: REANTEC
- 52 **Radial fan**, With cyclone separator to the buffer silo
- 53 **Buffer silo**, make: OSWALD METZEN, L/W/H 4300 x 2300 x 5400 m, hopper capacity approx. 20 cbm, fill level monitoring
- 54 **Process water treatment plant**, make: PP-RECYCLING IWAT, new in 2023, Including platform, spare parts, water tanks, consisting of double pumping station, sand separator, up to 50 cbm/hour, internally fed model 100/200 drum screen, dewatering press type HD 290, collection tank, submersible pump/defoamer, storage tank, 15 cbm, plastic, electric agitator, flotation system type CCF35.000, up to 35 cbm/h, with 2 flotation tanks, clearing and lifting device, dosing pumps for chemical station, IWAT automatic polymer preparation station, type 500-R, volume 500 litres, process water tank, 15 cbm, double pumping station/pumping station sludge treatment, with agitator, IWAT screw press, type SP-HF06XLG (sludge dewatering), up to 7 cbm/h, pressing capacity up to 200 kg, drive power 4 kW
- 55 **Refrigeration/cooling water system (conveying)**, make: ONI, new in 2022
- 56 **Field-edge container**, 90 m³
- 57 **Pelletising plant (overall plant) (Lot No. 58-65)**, make: EREMA, new in 2022, consisting of positions 58-65
- 58 **Conveyor belt**, make: EREMA, Including dust and sound protection tunnel, frequency converter
- 59 **Metal detector**, make: EREMA, type: MN 5.2 D-TR1200/400, serial no.: 2022-1008-D-TR, Double-layer, 50/60 Hz, weight 210 kg
- 60 **Plant**, make: EREMA, type: FB 10000_1200 SH, new in 2022, Equipment no. P-20210225, weight of unit 2,975 kg

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| 61 | Extruder / processing unit , make: EREMA, type: INTAREMA 1716 TVEPLUS, new in 2022, Including Polyscan and replacement package (new price ?85,000), order no. P-20210225, with melt filter zone 1, touch panel, control cabinets, pellet separator, throughput scale, swivelling side panel for PCU cover, PUS operating equipment monitoring, IREMA Airflush technology, TROX suction device, automatic feed slide, extruder vacuum pump, CAM camera system, SAS 2500 suction system, process water tank, EREMA laser filter, hot die face pelletising system, pellet dewatering screen |
| 62 | Laser filter , make: EREMA, type: LF2 406, new in 2022, Equipment no. P-20210225, weight of unit 2,390 kg |
| 63 | Heat exchanger , make: COSMOTEC, type: MODELL EXWA002220Z0001Z, new in 2022, 12,500 W, 10 bar |
| 64 | Pellet transport system with GS3010 dewatering screen , make: EREMA, type: PTS5, Up to 5 m, with pellet scale PSC 3000, with filling, up to 15 kg, pellet separator, PBB TWIN ST bagging station |
| 65 | Integrated in processing unit / plant , make: PFANNENBERG, type: PWS 7332 NR. 12053010071, serial no.: S21480717810 |
| 67 | Steel cabinet , 2-door, with spare parts, grey/anthracite |
| 68 | Aluminium stepladder , Length 2 m |
| 69 | Workbench , Wooden support, lower compartments, with vice |
| 70 | Toolbox , With contents, steel |
| 71 | Toolbox , With contents, plastic |
| 72 | Aluminium stepladder , 2-step |
| 73 | Flex silo landscape (Lot No. 73-75) , make: A.B.S., new in 2022, Made of polyester fabric, 3-part, consisting of Flex Silo type 1/36/74, volume 65 m ³ , external dimensions 3600 x 3600 mm, silo height 7400 mm, steel frame, frame height 8800 mm, level indicator full/empty, 3 pcs, conveyor system, approx. 25 m long, conveying capacity up to 3.5 t/h, with blower, 20 kW, rotary valve, pipe system, pipe diverter |
| 74 | Mobile loading screw , make: A.B.S., type: NW 220 MM, Mobile, diameter 220 mm, electric motor drive, 7.5 kW, height adjustable up to 45 degrees, point control, touch panel |

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- 75 **Mobile loading screw**, make: A.B.S., type: NW 220 MM, Mobile, diameter 220 mm, electric motor drive, 7.5 kW, height adjustable up to 45 degrees, point control, touch panel
- 76 **Articulated wheel loader**, make: CATERPILLAR, type: 908, new in 2022, VIN: ZAT00908KHZ800282, permissible total weight 7,400 kg, permissible front axle load 3,550 kg, permissible rear axle load 4,700 kg, permit number K608, LSS hydraulic grab bucket, power 55.4 kW, operating hours approx. 2,538 h, full cabin, digital control, computer
- 77 **Electric front forklift**, make: TOYOTA, type: TRAIGO 9FBM30 T, new in 2022, 4-wheel, KAUP attachment, type 3.5T 45682, lift up to 4,700 mm, load capacity 3 tonnes, hydraulic fork adjustment, full cabin, lift motor meter readings approx. 225 h, travel motor approx. 700 h, key switch approx. 4,160 h
- 78 **Workbench**, make: VARIO BAMBUS, With housing
- 79 **Cordless chainsaw**, type: 540 IX P16
- 80 **2 steel cabinets**, Each 2-door, with stock of machine accessories, spare parts, tools
- 81 **Laptop**, make: MIRCOSOFT, type: SURFACE NOTEBOOK CORE I5, new in 2022, 13? monitor
- 82 **Plant fire protection**, Building-related extension of the dry sprinkler system in hall 9A, conveyor technology connection, electrical installations