



## OPTICAL SORTING MACHINE FOR SELECTION AND EXPLOITATION OF POST-CONSUME MATERIALS AND QUALITY CONTROL

对消费后

回收的材料进行识别、  
回收利用以及对其质量控制的  
光学分选机

NEW-SSR2P

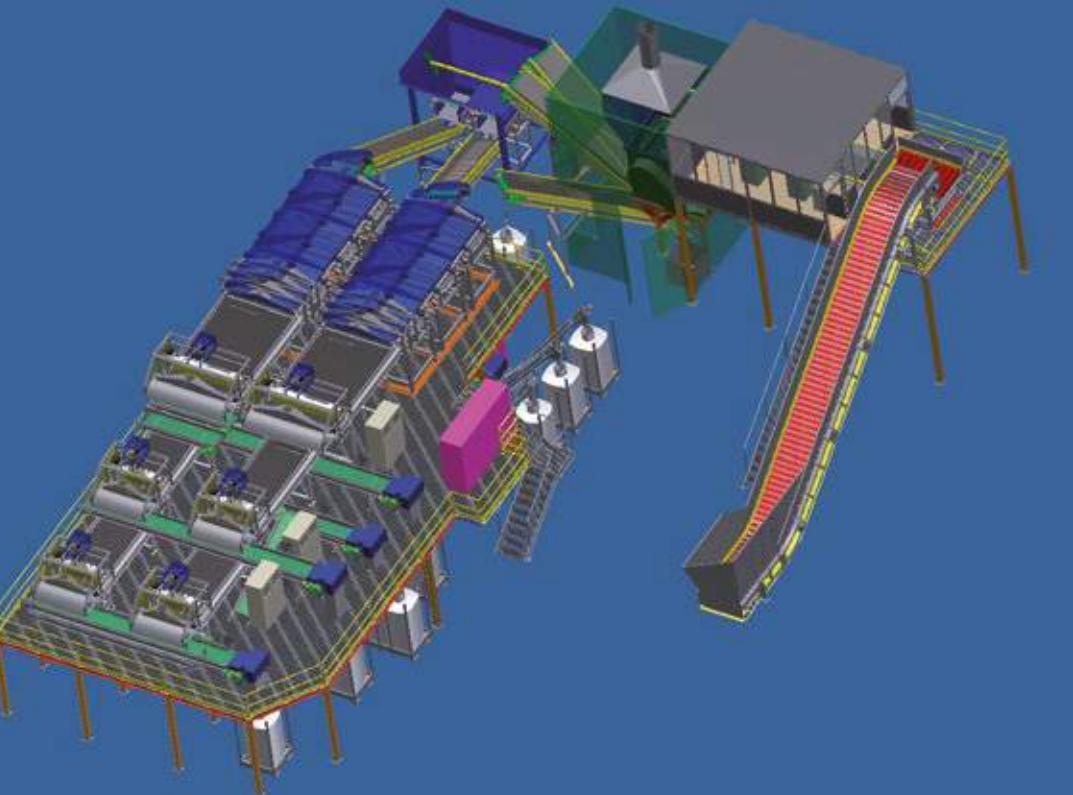
SSR2P-N

SSR2P-V

SSR2B-PS

SSR2-PM

MDL



Example of optical sorting units in a plant for the exploitation of plastics (polymers: ABS, PS, PA, PBT, PC, PE, PP, PET, PVC, PMMA, PUR, POM, mixed plastics PC+ABS, PPE+SB, PVC+ABS, ABS+TBBPA, flame retarded plastics ABS plus TBBPA ep, PS+TBBPA, PS+TBBPEep, electronic plates, metals). Productions from 0,5 to 8 t/h, modular machines which can be manufactured according to materials to be treated.

用于塑料回收利用光学分选机的示例（塑料：丙烯-丁二烯-苯二烯 ABS、聚苯乙烯PS、聚酰胺/尼龙 PA、聚碳酸酯PBT、聚乙丙PC、聚丙烯PE、聚对苯二甲酸丁二酯PP、聚氯乙烯PET、聚氨酯PVC、聚甲基丙烯酸甲酯PMMA、硬质聚氨酯泡沫PUR与聚缩醛树脂，而混合型塑料有：PC+ABS、聚苯醚PPE+苯乙烯-丁二烯共聚物SB、PVC+ABS、ABS+TBBPA四溴双酚，阻燃塑料有：ABS+TBBPEep环氧树脂四溴双酚A、TBBPA + PS, PS + TBBPEep、电路板以及金属）。颗粒产品为0.5到8 t / h, 可应所处理的材料之需求对机床进行组合。



Very high speed of elaboration in the order of millions of recognizing per second, possibility of analyzing materials of dimensions from few millimeters upwards.

在相应要求之下能够以极快的速度依次识别数以万计的材料，并可对仅数毫米或以上的材料进行分析。



Identification through  
NIR/SPECTROGRAPHIC  
systems of:

different polymers, materials from  
the building industry, asbestos, black plastics,  
quality control, metal selection

通过近红外光谱/短波红外线系统  
进行识别

高分子材料、建筑材料  
、石棉、黑色塑料以及金属的质量控制与

分拣

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## NEW-SSR2P

optical sorting machine with latest technological development equipped with BMCR4 belt  
配有BMCR4传送带的最新升级版分选机

In a plant, it is possible to easily replace the manual multiple selection belt, positioning the machine on the same level as the belt, reusing the same stocking containers. It's possible to select 3 or more materials in a single passage with one machine.

可替代人工分拣传送带，并能够同时进行多个材料的分拣  
在该装置的同一平面上安装有负载传送带的仪器，使其能够重复使用相同的贮藏箱。单步运行时可同时分拣3个或者更多的材料 在一台机器上便可完成。

**Material dimensions:** dimension above 30 mm.  
选材尺寸：30毫米或以上

### Selectable materials:

#### Plastics recycling

Plastics: PET, PE, PP, PS, PVC, PA

Liquid bottles: PE bottle, PE foil

Impurities: Paper, card board, wood, liquid packing board (TETRA), textiles

Mixed fractions: PET bottles with PE, PP or PVC label (important for Bottle-to-Bottle recycling)

Optional: HD-PE / LD-PE, PET / PET-G

#### Paper recycling

Input material: Waste paper from household or commercial waste collections

Paper (Deinking): Office paper, magazines, newspapers, catalogues

Paper (no Deinking): Cardboard, folding box

Optional: Identification of shrinkwrapped brochures, reducing Deinking lost

Plastics: PET, PE, PP, PS, PVC



## SSR2B-PS

optical vertical sorting machine for black plastics  
专用于黑色塑料的垂直分选机

The optical vertical sorting machine can select 2 or maximum 3 materials (2-3 exits maximum depending on the application) possibility of sorting black polymers, plyncoated. It's possible to mount different ejection devices from 6 mm and upwards (standard, other solutions upon request).

垂直分选机可进行两个或最多三个材料的分拣，(根据应用程序其输出口最多也为两到三个材料，可分拣黑色聚合物并识别多层聚合物)。可装配6毫米以上的不同弹射系统(标准型或其它不同要求的系统)。

**Materials dimensions:** dimensions from 2 mm to 20 mm (the most adapt for granulates and other fine materials)  
选材尺寸：尺寸为2毫米至20毫米(最适合于颗粒剂和其他细粒材料)。

### Selectable materials:

#### PET flakes

Plastics: PS, PA, PC, PE, PP, PET, PVC, PMMA

Mixed fractions: PET+PVC

Impurities Gaskets from silicone

#### Electronic Waste WEEE

Plastics: ABS, PS, PA, PBT, PC, PE, PP, PET, PVC, PMMA, PUR, POM

Mixed plastics (Blends): PC+ABS, PPE+SB, PVC+ABS

Flame retardants: ABS+TBBPA, ABS+TBBPAep, PS+TBBPA,

PS+TBBPEep

Impurities: Paper, cardboard, wood



### 选材：

#### 废聚酯碎片

塑料:聚苯乙烯PS、聚酰胺/尼龙PA、聚丙烯PC、聚丙烯PE、聚对苯二甲酸丁二酯PP、聚氯乙烯PVC、聚甲基丙烯酸甲酯PMMA  
混合物:聚氯乙烯PET+聚氯醋PVC

硅胶密封条杂质

#### RAEE电子垃圾

塑料:丙烯-丁二烯-苯二烯ABS、聚苯乙烯PS、聚酰胺/尼龙PA、聚碳酸酯PBT、聚丙烯PC、聚丙烯PE、聚对苯二甲酸丁二酯PP、聚氯乙烯PET、聚氯醋PVC、聚甲基丙烯酸甲酯PMMA、硬质聚氨酯泡沫PUR与聚缩醛树脂POM  
混合塑料(混合物)PC+ABS,聚苯醚PPE+苯乙烯-丁二烯共聚物SB, PVC+ABS

PVC+ABS

阻燃剂: ABS + TBBPA四溴双酚、ABS+TBBPEep环氧树脂四溴双酚A、PS+TBBPA、PS + TBBPEep

杂质:纸张、纸板或木头

塑料:聚氯乙烯PET、聚丙烯PE、聚对苯二甲酸丁二酯PP、聚苯乙烯PS、聚氯醋PVC

纸张、纸板或木头

塑料:聚苯乙烯PS、聚酰胺/尼龙PA、聚丙烯PC、聚丙烯PE、聚对苯二甲酸丁二酯PP、聚氯乙烯PVC、聚甲基丙烯酸甲酯PMMA  
混合物:聚氯乙烯PET+聚氯醋PVC

硅胶密封条杂质

塑料:聚苯乙烯PS、聚酰胺/尼龙PA、聚丙烯PC、聚丙烯PE、聚对苯二甲酸丁二酯PP、聚氯乙烯PVC、聚甲基丙烯酸甲酯PMMA  
混合物:聚氯乙烯PET+聚氯醋PVC