

Fact Sheet

# STEINERT LSS® | LIBS



## + METAL SORTING

- + Sorting of premium aluminium according to its alloying elements
- + Separates wrought aluminium into alloy series 3xxx, 5xxx and 6xxx

THE RESOURCE  
SEARCH ENGINE

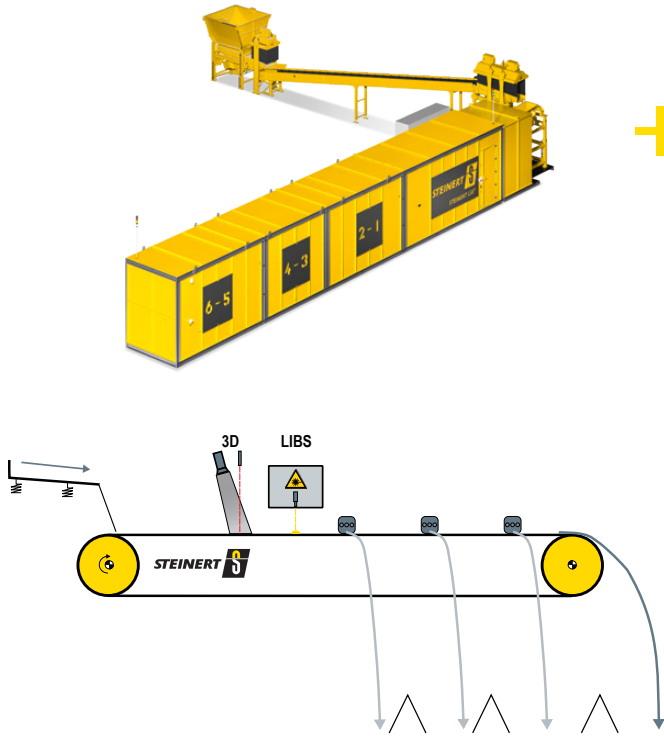
**CURIOSUS?**  
Learn more.



## + TECHNOLOGY

### STEINERT LSS® | LIBS

- + The sorting system sorts aluminium scrap by alloy type.
- + The LIBS (Laser-Induced Breakdown Spectroscopy) technology allows the alloy elements to be determined and quantified with precision thus permitting a distinction to be made between a large number of different alloy types.
- + Alongside the LIBS unit, it is also equipped with 3D detection to capture a high spatial resolution of the object shape.
- + The objects pass through the detection zone lined up one behind the other and then through a series of lateral discharges.
- + Sorts several products in just one sorting step.



### STEINERT LSS® | LIBS

#### General

Number of discharge boxes	2-6
Length of the outlet modules (mm)	1,500/3,000
Feeding device (feeder bunker + feeding belt)	Varies according to configuration

#### Environmental specifications

Permitted ambient temp. depending on version (°C)	-5 to +40
Installation site	Under Roof/indoor

#### Conformities

Given conformities	CE
--------------------	----

#### Electrical specifications

Machine power consumption (kVA)	41-45
Machine protection class	IP66

#### Pneumatic specifications

Compressed air quality	ISO 8573-1: class 3.4.3
Operating pressure (bar)	10
Pneumatic connection (inch)	2

#### Options + variants

Example accessories	-
---------------------	---

#### Control

Dimensions approx. (mm)	Height	2,100
	Width	1,600
	Depth	600
Weight (kg)		350
Distance control to machine (m)		10
Electrical full load (A)		60-65

Technical alterations reserved. For more details see the operating instruction of the sorting system.