

Welcome





**Now** let us have a look on **Brazil** from space, **the ISS** is making great pictures and to see the most densely populated country in South America with approximately **207.7 million** inhabitants by night is just impressive.

Can you imagine that in 2016 Brazil collected about **71.3 million ton of municipal solid waste** corresponding to a collection coverage index of 91% for the country. showing that seven million tons of waste were not collected and were misdirected. This number even does not include any commercial or industrial generated waste.

In an international comparison **from 2016** each Brazilian generated **1040kg waste per day**.

Do we really want such situation?



I can't believe that this is in the mind of Brazilian people

I'm sure that a better waste management will reduce the amount of pictures like that.



## Lindner at a glance

Innovation as a principle. This basic idea has characterized the actions of Lindner ever since the company was formed in 1948. As a specialist for shredding technology we produce trendsetting solutions for waste processing – and at the same time are constantly setting standards with technological innovations.

- Founding year: 1948
- 100% family owned
- Employees: > 300 worldwide
- 3 production facilities in Austria
- 5 sales and service subsidiaries
- Export countries: >70

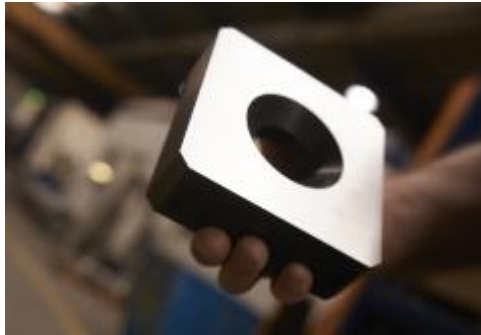




## Developing and producing the most reliable and productive shredding systems

- In-house R&D group (invest more than 8%)
- Manufacturing of key components
- Mechanical engineering & Welding
- Electronic engineering
- In-house project engineering





## Quality

High material requisition  
Modern production-engineering



## Innovation

Product development and optimization  
Flexibility by the Lindner Modular Design



## Customer Orientation

Broad service & international availability  
User- and maintenance friendly design

## Industrial shredding solutions

As a specialist for shredding technology we produce trendsetting solutions for waste processing, plastics recycling and biomass shredding.

**WASTE**

Shredding  
Processing

- Domestic Waste
- Industrial Waste
- Bulky Waste
- Medical Waste
- Scrap
- Tires
- Paper Rolls
- Tar Board
- etc.



**PLASTICS**

Shredding  
Washing


- Film
- Hard Plastics
- Pipes
- Containers
- Fibres
- etc.



**BIOMASS**

Shredding  
Crushing

- Wood Waste
- Rootstock
- Green Waste
- Sugar Beets
- Corn & Straw
- Foliage
- Expired Food
- etc.



## Primary Shredder



**Shredding of  
untreated waste**

## Secondary Shredder



**Pretreated waste  
for the production of  
alternative fuels**

## Universal Shredder



**shredding of  
preferably  
pretreated waste**







**URRACO**

75D | 75DK



**MIURA**

1500



**URRACO**

95DK

## INPUT



- Industrial Waste
- Moisture up to 30%
- Density approx. 250 kg/m<sup>3</sup>

## Equipment



RDF line composed by:

- Pre shredder Jupiter 1800 Heavy fraction separator
- Secondary shredder Power Komet 1800



- RDF AF 50mm and/or AF25
- Capacity: up to 15 t/h
- Main burner and Pre calciner fuel

## INPUT



- Eucalyptus bark 1.0 – 1.3 meters
- Moisture up to 52%
- Density up to 500 kg/m<sup>3</sup>

## Equipament



- Mobile Shredder Urraco 75 DK
- Diesel motor
- Magnet separator



- Output 60 - 150 mm
- Capacity: up to 35 t/h
- Fuel for papel mil boiler



## INPUT



- Wood waste up to 3 meters long
- Moisture up to 20%
- Density up to 250 kg/m<sup>3</sup>

## Equipament



- Mobile Shredder Urraco 75 DK
- Diesel motor
- Magnet separator



## OUTPUT



- Output 60 -150 mm
- Capacity: up to 35 t/h
- Pre shredder of biomass plant



## WINNER OF THE GLOBAL CEMFUELS AWARD

MOST INNOVATIVE TECHNOLOGY FOR ALTERNATIVE FUEL USE

# Thank you for your attention

Andre Gomes  
[andre.gomes@l-rt.com](mailto:andre.gomes@l-rt.com)