

# THE T-REX.



## SHREDDING SYSTEMS

for foam parts, foam sheets and cardboard packaging



[www.heger-world.de](http://www.heger-world.de)



# THE T-REX.

**Powerful. Durable. Safe.**

Shredding systems from THE T-REX series shred bulky foam parts made of EPS (Airpop®, Styropor®), XPS, EPP, EPE or PUR into pieces up to 20-50 millimetres in size. Suitable models are also available for laminated foam sheets made of EPS or XPS as well as cardboard packaging.



THE T-REX. | GRAVITY



THE T-REX. | LINEAR

# THE T-REX. GRAVITY | EPS

## Cushing system for EPS foam parts.

Model variant with pre-crusher for vertical feeding. End product is extracted with a blower. Used for daily small to very large processing quantities. Suitable for small to large parts.



EPS



### Sizes

- **T-REX 1000** | 300 kg/h
- **T-REX 1200** | 400 kg/h
- **T-REX 1400** | 600 kg/h
- **T-REX 1600** | 800 kg/h
- **T-REX 2000** | 1200 kg/h

### Materials

EPS molded parts and packaging up to 40 g/l | EPS insulation boards up to 40 g/l | EPS Facade insulation panels | EPS insulation boards with bitumen or tar adhesions | NEOPOR® insulation boards | EPS insulation boards with plaster adhesion | EPS plant container

### Industries

Logistics center | EPS packaging and molded parts manufacturer | Insulation manufacturer | Prefabricated house manufacturer | Caravan manufacturer | Precast concrete element manufacturer | Specialist waste management companies | Recycling companies in general | Recycling plants for plastic waste | Poroton manufacturer

### Options

Conveyor belt for more efficient feeding | Individually configurable silo size | Soundproof cabin for blower | Closed sound insulation hood with strip curtain

# THE T-REX. GRAVITY | EPS LARGE

## Shredding system for very large EPS foam parts.

Model variant with very large primary crusher for vertical feeding. The end product is extracted by a blower. Used for daily medium to very large processing quantities. Suitable for very large parts.



EPS  
LARGE

### Sizes

- **T-REX 1400** | 1000 kg/h
- **T-REX 1600** | 1200 kg/h
- **T-REX 2000** | 1500 kg/h
- **T-REX 2000 XL** | 2000 kg/h

### Materials

EPS molded parts and packaging up to 40 g/l | EPS insulation boards up to 40 g/l | EPS Facade insulation panels | NEOPOR® insulation boards

### Industries

Logistics center | EPS packaging and molded parts manufacturer | Recycling plants for plastic waste

### Options

Conveyor belt for more efficient feeding | Individually configurable silo size | Soundproof cabin for blower | Closed sound insulation hood with strip curtain

# THE T-REX. GRAVITY | EPS HEAVY

## Shredding system for very heavy EPS foam parts up to 150 g/l.

Model variant with extremely strong pre-crusher for vertical feeding. The end product is extracted by a blower. Used for daily processing of small to very large quantities. Suitable for small to very large parts.



EPS  
HEAVY

### Sizes

- **T-REX 1200** | 600 kg/h
- **T-REX 1400** | 800 kg/h
- **T-REX 1600** | 1000 kg/h
- **T-REX 2000** | 1200 kg/h
- **T-REX 2000 XL** | 1500 kg/h

### Materials

EPS molded parts and packaging up to 40 g/l | EPS paletts | EPS insulation boards up to 40 g/l | EPS Facade insulation panels | EPS molded parts and packaging up to 150 g/l | EPS insulation boards up to 150 g/l

### Industries

Insulation manufacturer | Precast concrete element manufacturer | EPS packaging and molded parts manufacturer | Recycling plants for plastic waste

### Options

Conveyor belt for more efficient feeding | Individually configurable silo size | Soundproof cabin for blower | Closed sound insulation hood with strip curtain



# THE T-REX. GRAVITY | EPS FISH BOXES

## Shredding system for EPS fish boxes.

Model variant with pre-crusher for vertical feeding. End product is extracted with a blower. Corrosion-protected design for processing wet EPS fish boxes. Used for daily processing of small to very large quantities. Suitable for small to large parts.



EPS



### Sizes

- **T-REX 1000** | 300 kg/h
- **T-REX 1200** | 450 kg/h
- **T-REX 1400** | 600 kg/h
- **T-REX 1400 XL** | 800 kg/h
- **T-REX 1600 XL** | 1000 kg/h
- **T-REX 2000 XL** | 1200 kg/h

### Materials

EPS fish boxes, wet

### Industries

Fishing industry  
Fish markets | Delicatessens  
Waste management companies  
Recycling plants for plastic waste  
Recycling companies in general

### Options

Conveyor belt for more efficient feeding  
Individually configurable silo size  
Soundproof cabin for blower  
Closed sound insulation hood with strip curtain

# THE T-REX. GRAVITY | XPS

## Shredding system for XPS insulation boards.

Model variant with pre-crusher for vertical feeding. The end product is extracted with a blower. Used for daily processing of small to very large quantities. Suitable for board thicknesses up to 300 mm.



XPS

### Sizes

- **T-REX 1000** | 300 kg/h
- **T-REX 1200** | 450 kg/h
- **T-REX 1400** | 600 kg/h
- **T-REX 1500** | 800 kg/h
- **T-REX 1600** | 1000 kg/h

### Materials

XPS insulation boards | XPS insulation boards with bitumen or tar adhesions | XPS insulation boards with plaster adhesion  
STYRODUR® insulation boards

### Industries

Prefabricated house manufacturer | Caravan manufacturer  
Insulation manufacturer | Recycling plants for plastic waste  
| Specialist waste management companies | Construction industry

### Options

Individually configurable silo size  
Soundproof cabin for blower  
Closed sound insulation hood with strip curtain

# THE T-REX. GRAVITY | EPP

## Shredding system for foam parts made of EPP up to 100 g/l.

Model variant with strong pre-crusher for vertical feeding. The end product is extracted by a blower. Used for daily processing of small to very large quantities. Suitable for small to very large parts



EPP

### Sizes

- **T-REX 1000** | 300 kg/h
- **T-REX 1200** | 450 kg/h
- **T-REX 1400** | 600 kg/h
- **T-REX 1500** | 700 kg/h
- **T-REX 1600** | 800 kg/h

### Materials

EPP molded parts and packaging  
EPP heat and insulation boxes  
EPP load carrier  
EPP boards

### Industries

EPP packaging manufacturer | EPP load carrier manufacturer  
Recycling plants for plastic waste | Specialist waste management companies | Automotive industry | Supplier for the automotive industry

### Options

Conveyor belt for more efficient feeding | Individually configurable silo size | Soundproof cabin for blower | Closed sound insulation hood with strip curtain

# THE T-REX. GRAVITY | EPE

## Shredding system for foam parts made of EPE.

Model variant with strong pre-crusher for vertical feeding. The end product is extracted by a blower. Used for daily processing of small to very large quantities. Suitable for small to very large parts.



EPE

### Sizes

- **T-REX 1000** | 150 kg/h
- **T-REX 1200** | 200 kg/h
- **T-REX 1400** | 300 kg/h
- **T-REX 1500** | 450 kg/h
- **T-REX 1600** | 600 kg/h

### Materials

EPE particle foams, molded parts and packaging  
EPE foam not cross-linked, molded parts and packaging  
EPE foam cross-linked, molded parts and packaging  
EPE foam film

### Industries

Recycling plants for plastic waste  
EPE packaging manufacturer

### Options

Conveyor belt for more efficient feeding  
Soundproof cabin for blower

# THE T-REX. GRAVITY | PUR RIGID

## Shredding system for insulation boards made of PUR rigid foam.

Model variant with pre-crusher for vertical feeding. The end product is extracted by a blower. Closed feed hood with suction nozzle for connection to an on-site dust filter system. Used for daily processing of small to very large quantities. Suitable for panel thicknesses up to 300 mm.



PUR  
RIGID

### Sizes

- **T-REX 1000** | 300 kg/h
- **T-REX 1200** | 450 kg/h
- **T-REX 1400** | 600 kg/h
- **T-REX 1500** | 800 kg/h
- **T-REX 1600** | 1000 kg/h

### Materials

PUR rigid foam panels  
PUR insulation boards

### Industries

Insulation manufacturer  
Specialist waste management companies  
Recycling plants for plastic waste  
Construction industry

### Options

Dust filter system

# THE T-REX. GRAVITY | CARDBOARD

## Shredding system for cardboard packaging.

Model variant with shredder for vertical feeding. Material discharge via screw or suction. Used for daily processing of small to large quantities. Suitable for small to medium-sized packaging.



CARD  
BOARD

### Sizes

- **T-REX 700** | 250 kg/h
- **T-REX 1000** | 350 kg/h
- **T-REX 1200** | 450 kg/h

### Materials

Cardboard, cubic packaging, empty  
Corrugated board  
Cardboard box punching grid

### Industries

Logistics center  
Shopping centers  
Cardboard packaging manufacturer

# THE T-REX. LINEAR | EPS + XPS

## Shredding system for EPS or XPS insulation boards

Model variant with pre-crusher for horizontal feeding. The end product is extracted by a blower. Used for daily processing of small to very large quantities. Suitable for board thicknesses up to 200 mm.



EPS

XPS

### Sizes

- **T-REX 1400** | 500 kg/h
- **T-REX 1500** | 550 kg/h
- **T-REX 1600** | 600 kg/h

### Materials

EPS insulation boards up to 40 g/l  
XPS insulation boards  
NEOPOR® insulation boards  
STYRODUR® insulation boards

### Industries

Insulation manufacturer  
Caravan manufacturer  
Prefabricated house manufacturer

### Options

Adjustable conveyor belt length  
Individually configurable silo size  
Soundproof cabin for blower

THE T-REX.  
Powerful.  
Durable.  
Safe.



# THE T-REX.

## MATERIALS | EXAMPLES

### Input material



EPE foam, non-crosslinked



EPS insulation boards



EPP load carrier



EPS molded parts and packaging



Neopor insulation boards



XPS cutting waste



PUR rigid foam panels



XPS insulation boards

### Output material



EPE foam not cross-linked, molded parts and packaging, coarse grinded



EPE foam cross-linked, molded parts and packaging, coarse grinded



EPS molded parts and packaging up to 40 g/l, grinded



XPP insulation boards, crushed



XPS insulation boards, crushed

# THE T-REX.

## PRODUCT RANGE | EXAMPLES



THE T-REX 1400 LINEAR EPS + XPS



THE T-REX 1200 GRAVITY EPS



THE T-REX 1400 GRAVITY EPS



THE T-REX 1400 GRAVITY EPS FISH BOXES



T-REX 1400 LINEAR EPS+XPS

# THE BEASTS.

## THE TIGER.

Compaction systems  
for foam parts made of EPS, XPS  
and PUR rigid foam.

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## THE LION.

Compaction systems  
for foam parts made of  
EPE and EPP.

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## THE CROCODILE.

Dewatering and separation systems  
for packaged free-flowing contents, moist  
fiber, waste or recyclable material flows.

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## THE PANTHER.

Compaction systems  
for waste and recyclable materials.

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## THE PHOENIX.

Compaction system  
for hazardous and  
non-hazardous AMW material.

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## THE T-REX.

Shredding systems  
for foam parts, foam boards  
and cardboard packaging.

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## THE RAPTOR.

Granulation systems  
for foam parts or foam sheets.

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## THE FALCON.

Screening and de-dusting systems  
for granules made of EPS or EPP.

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## THE LUX.

Mixing and dosing systems  
for granules made of EPS or EPP.

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