

DOSEAHORSE

**MAKE DIFFICULT ALTERNATIVE FUELS
EXTRACTION & DOSING EASY !**



> DOSEAHORSE

MATERIAL FLEXIBILITY, HIGH RELIABILITY & ACCURATE DOSING !



Continuous feeding via hopper

Automatic adjustable calibrator



Spike roller for smooth material dispatching



Weighing system with belt scale



Metallic apron with rubber belt sealing



Load cells



4 load cells located below the machine :

- for measuring the product quantity in the hopper
- for doing an auto calibration of the dosing system

Reclaimer system for spillage



> APPLICATIONS

IMPLANTATION IN PRE-HEATER TOWER (PHT)



Being close to the feeding point for a better dosing reactivity



Flow separation in PHT with 2 independent dosing units

> ADVANTAGES

EXTRACTION WITH SIMULTANEOUS LOADING

- Doseahorse extractor comes with a hopper (up to 9 m³ buffer) insuring constant output and maintained dosing accuracy, even with irregular input.
- The extractor rests on 4-load cells monitoring the weight of material inside hopper.

ACCURATE DOSING

- Alternative fuel accurate dosing is managed with a belt scale measuring the quantity of material on it.
- Metallic apron speed variation linked in closed loop with belt scale ensures constant flowrate.

SELF CALIBRATION

- Weight are delivered along with the machine for dosing belt calibration and commissioning.
- While in operation, a self-calibration can be done by comparing the loss of weight from hopper (load cells below extractor) and the measured output of the dosing belt.

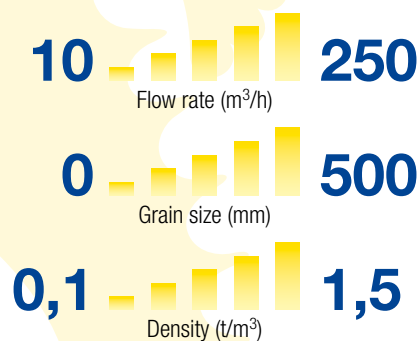
PREASSEMBLED MACHINES

- Doseahorses are fully mounted and tested in our workshop.
- Erection and commissioning time is reduced thanks to Ready-to-install concept.

> PERFORMANCE

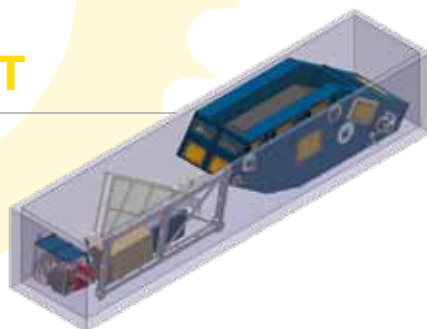
HIGH FLOW RATE AND FLEXIBILITY FOR YOUR ALTERNATIVE FUEL

- Flow rate: from 10 to 250 m³/h
- Grain size of alternative fuel: from 1 to 500 mm
- Density of alternative fuel: from 0,1 to 1,5 t/m³



> TRANSPORT

Doseahorses are delivered to site in preassembled conditions in one container only, along with it's aggregates.



> ALTERNATIVE SOLID FUELS WASTE TO ENERGY



Shredded tires
30 - 200 mm
d = 0,45 t/m³



RDF
20 - 300 mm
d = 0,1 - 0,3 t/m³



Municipal waste
50 - 400 mm
d = 0,3 - 0,6 t/m³



Coconuts shells
50 - 250 mm
d = 0,25 t/m³



Rice husk
1 - 10 mm
d = 0,15 t/m³



Wood pieces
1 - 500 mm
d = 0,2 - 0,4 t/m³



Cashew nut shells
20 - 40 mm
d = 0,2 t/m³



Car lamps
50 - 500 mm
d = 0,15 - 0,2 t/m³

IMPLANTATION ON THE GROUND

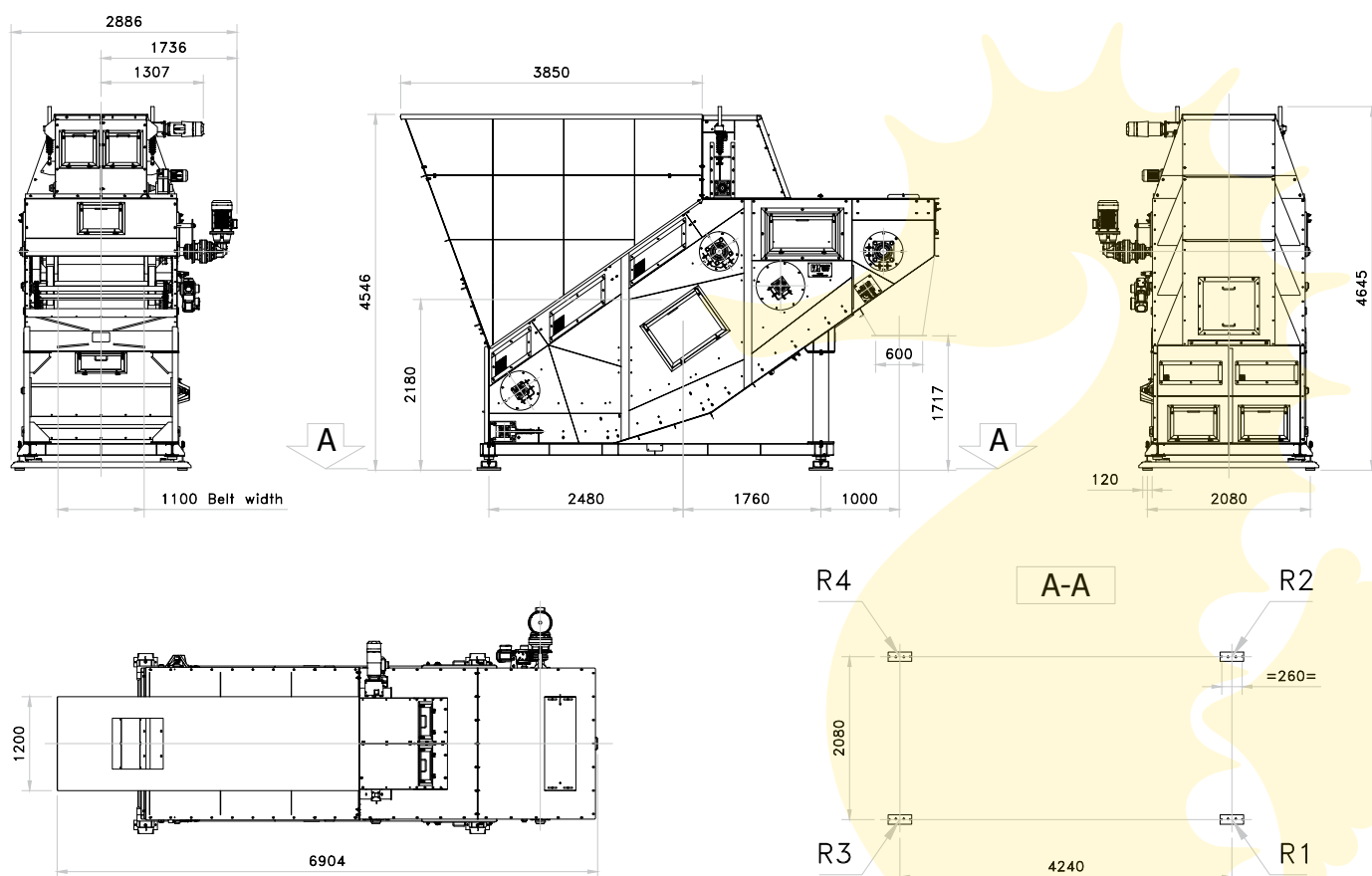


Flow separation for multiple transferring lines with a continuous feeding & dosing



Loading with pay loader manually possible

> TECHNICAL INFORMATIONS



| Reactions | Permanent loads (kN) | Additional product load (kN) with a full hopper (9 m ³ - product density: 1) |
|-----------|----------------------|--|
| R1 | 27 | 18 |
| R2 | 28 | 18 |
| R3 | 18,5 | 27 |
| R4 | 18,5 | 27 |

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