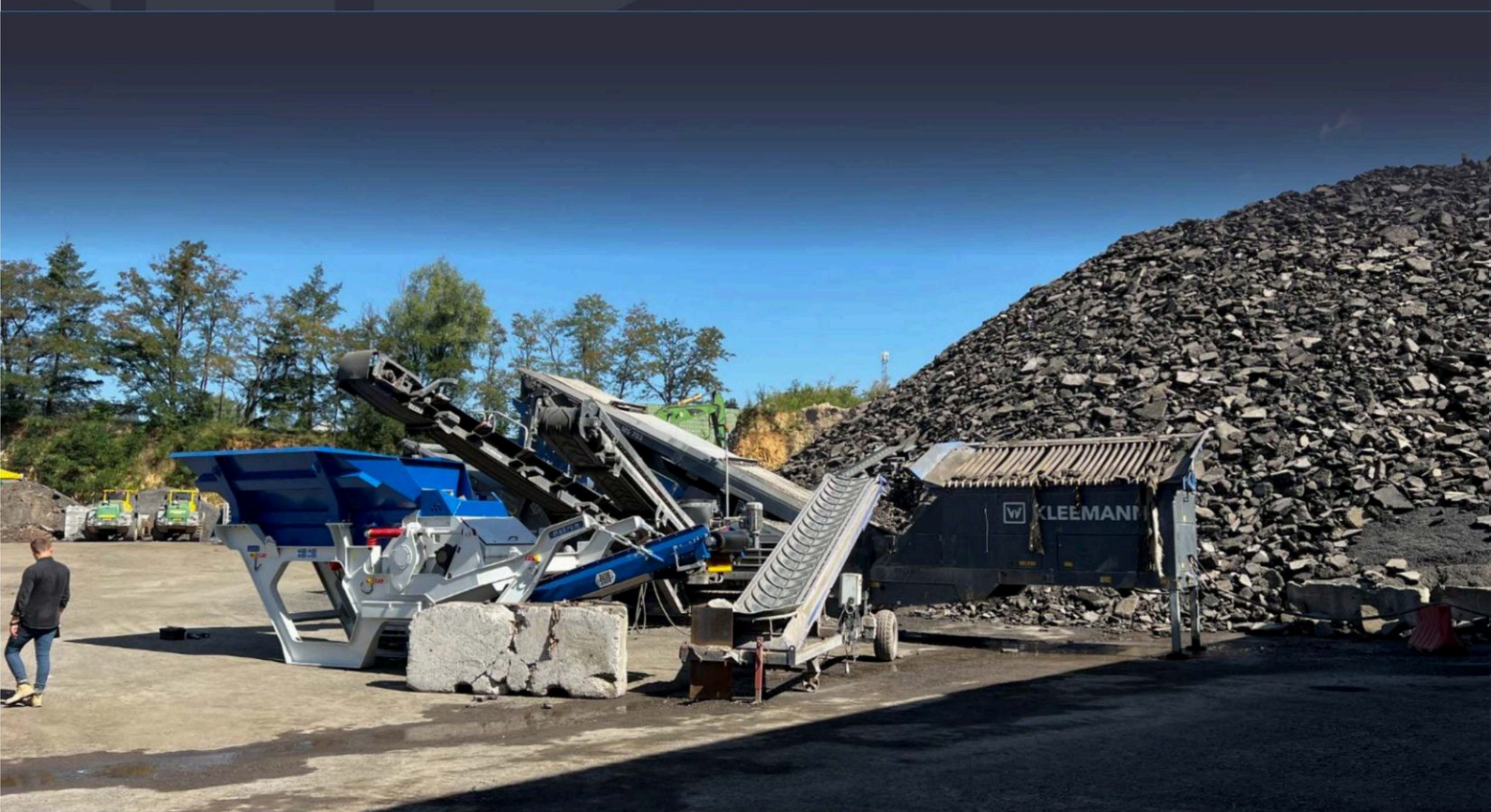


# RECLAIMED ASPHALT GRANULATORS

Three machine configurations for reclaimed asphalt processing — for integration into an existing plant, for stand-alone operation, and a complete line with screening.

**V1****V3****V4**

We sell machines for reclaimed asphalt processing. We match the configuration to the plant the machine will work in and support the customer from selection through delivery to commissioning.

We offer three granulator models. V1 is a granulating unit intended mainly for integration into an existing system. V3 works as a stand-alone machine and pairs well with a screen placed alongside. V4 is a full granulator with its own oscillating screen.

Machines from our range are in operation at customers in Poland, the Netherlands, Belgium, France, Luxembourg and Germany.

**up to 120 t/h**

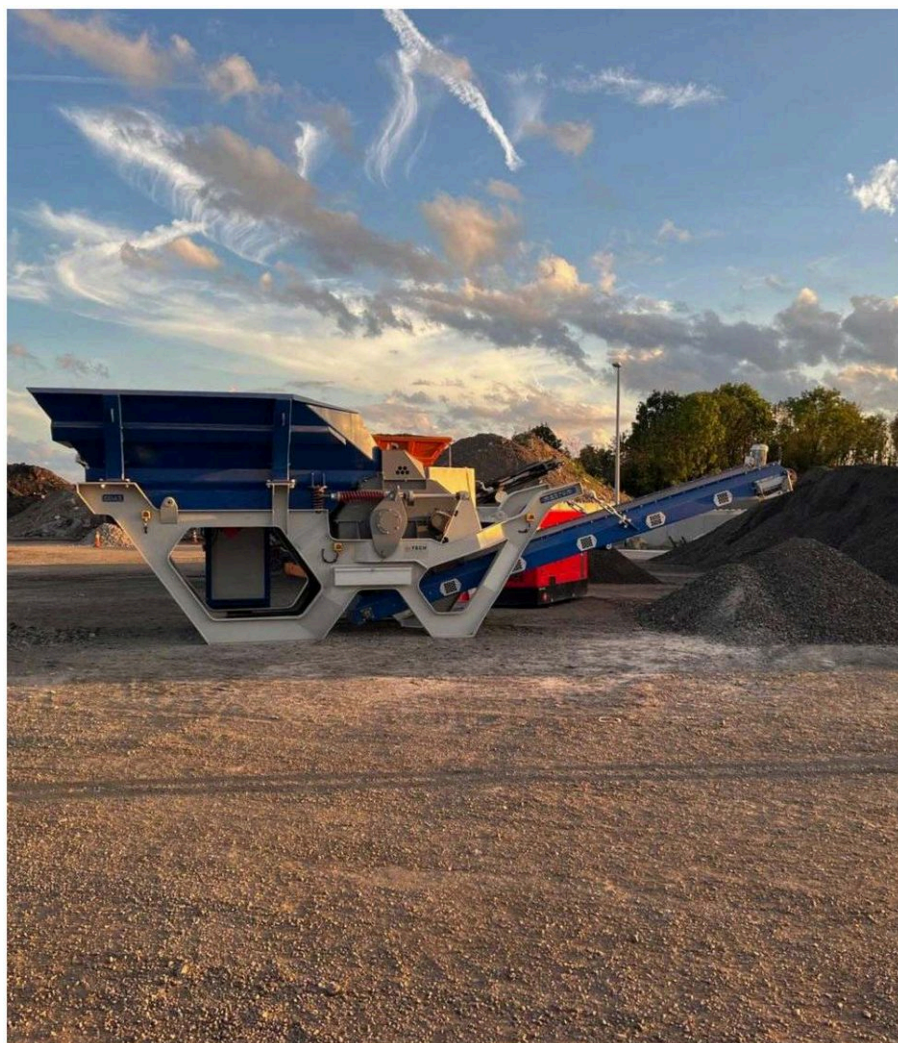
capacity in the V4 configuration

**5 – 70 mm**

adjustment range of gap "s"

**Hardox 400HB**

lining of wear-exposed components



# V1 · V3 · V4 COMPARED

| PARAMETER                 | V1                                                  | V3                                                  | V4                                    |
|---------------------------|-----------------------------------------------------|-----------------------------------------------------|---------------------------------------|
| Application               | Integration into an existing plant                  | Stand-alone machine, for work with a screen         | Full granulator with screen           |
| Weight (without material) | ~3,900 kg (granulating unit)                        | ~10 400 kg                                          | ~19 000 kg                            |
| Dimensions L × H × W      | 4,0 × 3,1 × 3,7 m                                   | 7,9 × 2,7 × 2,5 m                                   | 12,9 × 3,6 × 2,5 m                    |
| Capacity                  | up to 25 t/h (s = 16 mm)<br>up to 18 t/h (s = 8 mm) | up to 25 t/h (s = 16 mm)<br>up to 18 t/h (s = 8 mm) | up to 120 t/h (depending on material) |
| Power demand              | ~46 kW                                              | ~46 kW                                              | ~74 kW                                |
| Feed hopper               | —                                                   | 4,5 m <sup>3</sup>                                  | 5 m <sup>3</sup>                      |
| Vibrating feeder          | —                                                   | VF.10.33 · 2 × 1,9 kW                               | electrovibrator in hopper             |
| Oscillating screen        | —                                                   | external screen                                     | included · 2 fractions · 15 kW        |
| Granulator main drive     | 2 × 22 kW                                           | 2 × 22 kW                                           | 2 × 22 kW                             |



V1



V3



V4

MODEL 01

# GRANULATOR V1

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A machine intended mainly for integration into an existing system. The granulating unit with a conveyor alone — it fits into a process line already running at the plant.



# GRANULATOR V1

## SUMMARY

|                                |                          |
|--------------------------------|--------------------------|
| Weight (granulating unit only) | ~3 900 kg                |
| L × H × W                      | 4 000 × 3 100 × 3 700 mm |
| Capacity, s = 16 mm            | up to 25 t/h             |
| Capacity, s = 8 mm             | up to 18 t/h             |
| Power demand                   | ~46 kW                   |

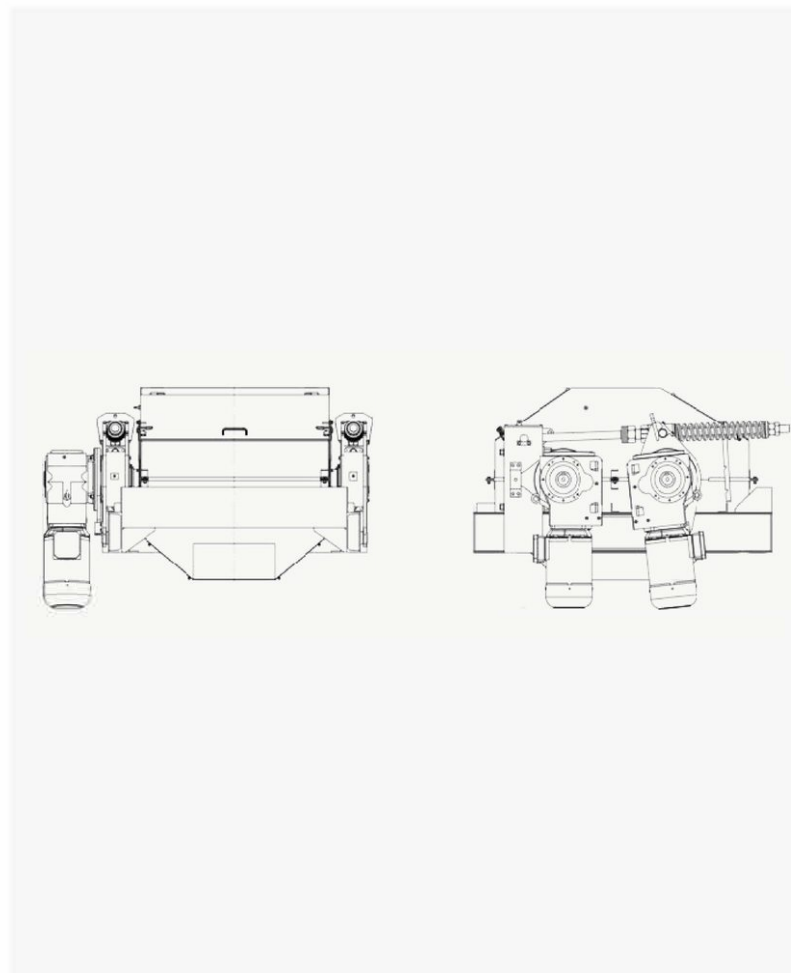
## BELT CONVEYOR

|                      |                 |
|----------------------|-----------------|
| Dimensions           | 650 × L3 500 mm |
| Power                | 4 kW            |
| Theoretical capacity | 80 Mg/h         |
| Drive                | worm gear unit  |

## GRANULATING UNIT

|                                       |                          |
|---------------------------------------|--------------------------|
| Inlet width and length                | 300 × 1 080 mm           |
| Grinding chamber width                | 1 150 mm                 |
| Max. lump size of feed, s = 16 mm     | 42 mm                    |
| Max. sieve residue of feed, s = 16 mm | 85 mm                    |
| Gap "s"                               | 5 – 70 mm                |
| Main drive power                      | 2 × 22 kW                |
| Machine dimensions (L × W × H)        | 2 000 × 2 131 × 1 435 mm |

Capacity depends on the granulator setting, grain curve, share of metallic inclusions (up to 1%), material humidity (up to 4%), levelling of the machine (max. 0.5%), spraying above 25°C, condition of wear parts and continuity of loading.



MODEL 02

# GRANULATOR V3

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A stand-alone machine that works well with a screen placed alongside. A 4.5 m<sup>3</sup> hopper, vibrating feeder and conveyor on one frame — ready to run once positioned and connected.



# GRANULATOR V3

## SUMMARY

|                                 |                   |
|---------------------------------|-------------------|
| Total weight (without material) | ~10 400 kg        |
| L × H × W                       | 7,9 × 2,7 × 2,5 m |
| Capacity, s = 16 mm             | up to 25 t/h      |
| Capacity, s = 8 mm              | up to 18 t/h      |
| Power demand                    | 46 kW             |

## FEED HOPPER 4.5 m<sup>3</sup>

|                    |                          |
|--------------------|--------------------------|
| Construction steel | S355J2+N                 |
| Lining             | Hardox 400HB · 10 mm     |
| Hopper width       | 3 980 mm                 |
| Loading            | wheel loader or conveyor |

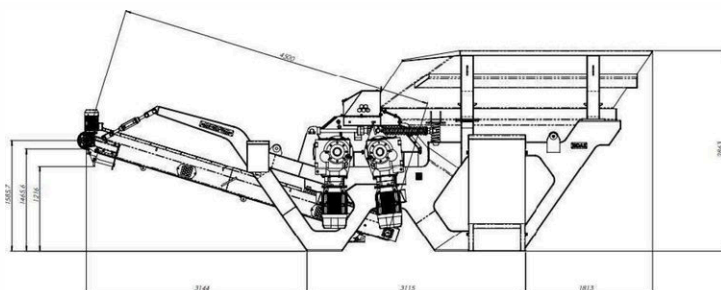
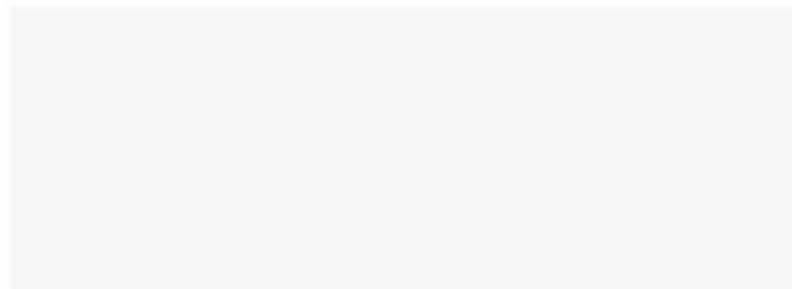
## VIBRATING FEEDER VF.10.33

|                      |                   |
|----------------------|-------------------|
| Dimensions           | 1 000 × L3 250 mm |
| Power                | 2 × 1,9 kW        |
| Theoretical capacity | up to 120 Mg/h    |
| Drive                | electrovibrators  |

## BELT CONVEYOR

|                      |                 |
|----------------------|-----------------|
| Dimensions           | 650 × L8 000 mm |
| Power                | 3 kW            |
| Theoretical capacity | 80 Mg/h         |
| Drive                | worm gear unit  |

Granulating unit as in the V1 model: inlet 300 × 1,080 mm, chamber 1,150 mm, gap 5 – 70 mm, drive 2 × 22 kW.



MODEL 03

# GRANULATOR V4

Full granulator with screen. A 5 m<sup>3</sup> hopper, two conveyors and an oscillating screen splitting the material into two fractions — the whole line in one machine.



# GRANULATOR V4

## SUMMARY

|                           |                    |
|---------------------------|--------------------|
| Weight (without material) | 19 t               |
| L × H × W                 | 12,9 × 3,6 × 2,5 m |
| Capacity                  | up to 120 t/h      |
| Power demand              | 74 kW              |

## FEED HOPPER 5 m<sup>3</sup>

|                    |                                            |
|--------------------|--------------------------------------------|
| Construction steel | S355J2+N · 8 mm                            |
| Width              | ~3 m                                       |
| Loading            | wheel loader                               |
| Options            | Hardox 400HB 10 mm lining, oversize screen |

## FEEDING CONVEYOR

|                      |                  |
|----------------------|------------------|
| Dimensions           | b800 × L2 500 mm |
| Power                | 4 kW / 400 V     |
| Capacity             | up to 120 Mg/h   |
| Angle of inclination | up to 5°         |

## MAIN CONVEYOR

|                      |                                |
|----------------------|--------------------------------|
| Dimensions           | b800 × L7 500 mm               |
| Power                | 3 kW / 400 V                   |
| Capacity             | up to 120 Mg/h                 |
| Angle of inclination | 20° in 1st section, 15° in 2nd |
| Belt                 | abrasion resistant             |

## OSCILLATING SCREEN

|                     |                          |
|---------------------|--------------------------|
| Type                | lightweight, oscillating |
| Number of fractions | 2                        |
| Screen dimensions   | 1.2 × 3 m and 1.2 × 4 m  |
| Type of screens     | braided 8 and 16 mm      |
| Power               | 15 kW                    |
| Capacity            | up to 200 Mg/h           |
| Weight              | 2 950 kg                 |



# MACHINES IN OPERATION

Granulators from our range work at asphalt mixing plants and recycling yards in six countries. Reference details are available on request.

**Poland****Netherlands****Belgium****France****Luxembourg****Germany**



## CONTACT

# WE WILL MATCH THE CONFIGURATION

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TECH SOLUTIONS

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