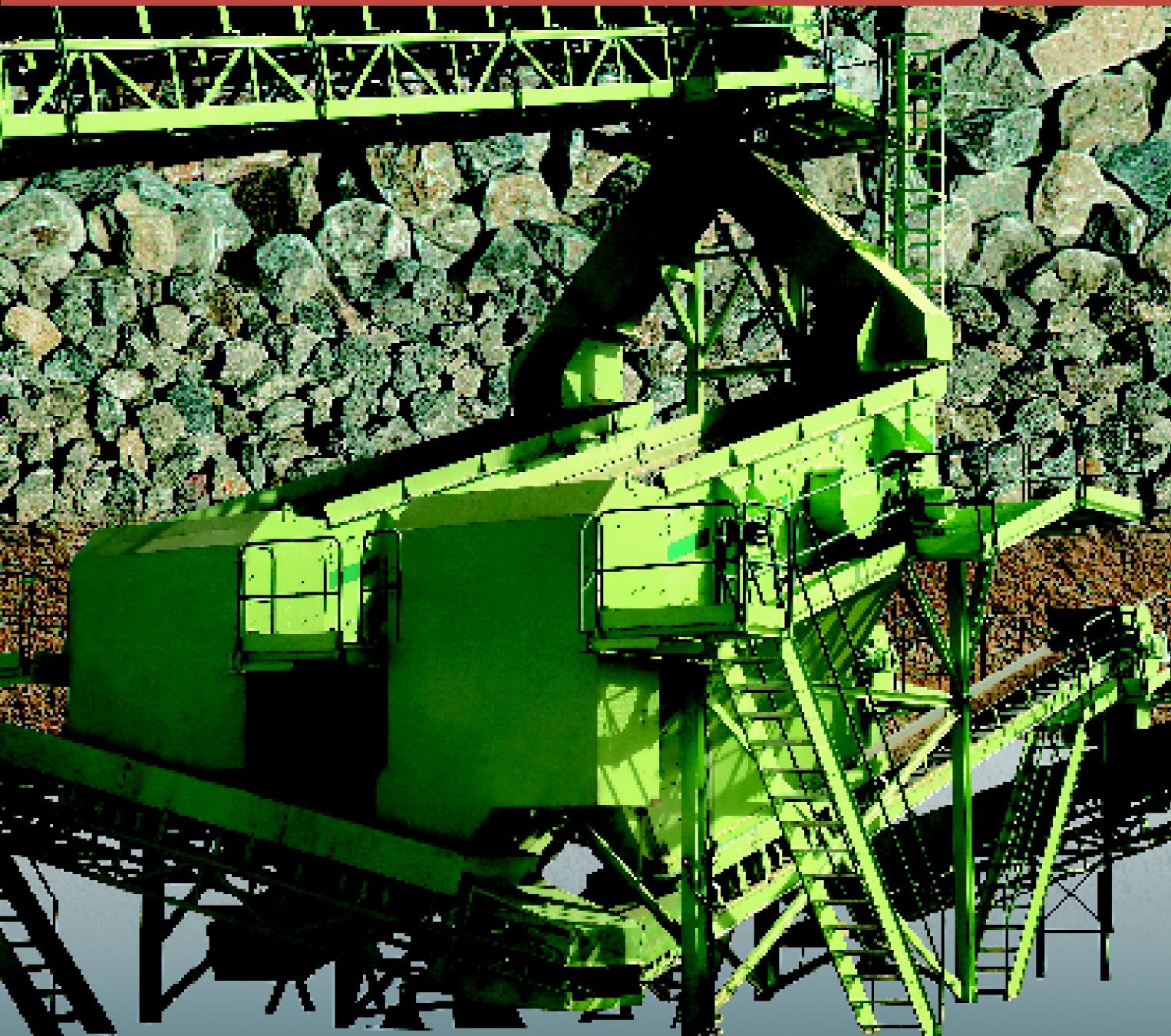




MAQUINARIA  
DE CANTERAS  
TRIMAN, S.A.U.

Vibrating  
Screens  
Triman

CVT  
CHT



# CVT-CHTVIBRATING SCREENS

As a result of ever-increasing demands of current official standards, mass production and grading requirements, which need to be more precise and accurate from one day to the next, we have developed the new range of TRIMAN CVT vibrating screens.

Robustness, simplicity and efficiency have been our reference points for development.

Modern CVT screens are designed for changes in frequency and amplitude and can be adapted to the grading of any granularity, operating normally with acceleration of up to 5G. Our screens can be equipped with metallic mesh, perforated steel plate, rubber or polyurethane mesh (either in modules or with side stressing), with frames for all needs.

## MESH SUPPORT FRAMES

These are made of a single piece of S-355-JR steel, using tubular structured profiles and oven reinforced to eliminate stresses. The frames are connected to the sides of the screen with 8.8 screws and are replaceable.

## SIDE PLATES

These are made of S-355-JR steel, solidly ribbed and stiffened, and reinforced in the assembly area of the mechanism. They are drilled and machined to seat the hinges of the screws for tensioning the mesh and the assembly of support frames for the mesh.

## DRIVE SYSTEM

Electric motor with V-belt pulley.

## SUSPENSION

Helical springs located equidistant from the mechanism to insulate the unit against vibration. Adjustable-pressure rubber bushing located in the spring housing regulates the movement of the unit.

## MECHANISMS

F-1250 steel shafts (UNE standard), cast bearing housings stabilised in heavy-duty steel alloys and special double row roller bearings for vibrating mechanisms with C4 tolerance.

TRIMAN has three types of mechanisms for equipment with vibrating movements:

**1. Single shaft:** mechanism constructed with a single, concentrically-machined shaft. The counterweights are on the outside to improve start-up in cold weather.

**2. Synchronised double shaft:** constructed with 2 synchronised single-shaft mechanisms with a notched belt. For use in large units that need high frequency and acceleration.

**3. Opposite direction single shaft.** Constructed with 2 eccentrically-machined shafts that turn in the opposite direction thanks to 2 helical gears that link them. With this system you can get almost straight-line vibration, with variable amplitude thanks to external counterweights. This mechanism is particularly recommended for horizontal vibrating elements that need vibration for the grading and forward movement of material.

## INFEEED TRAY

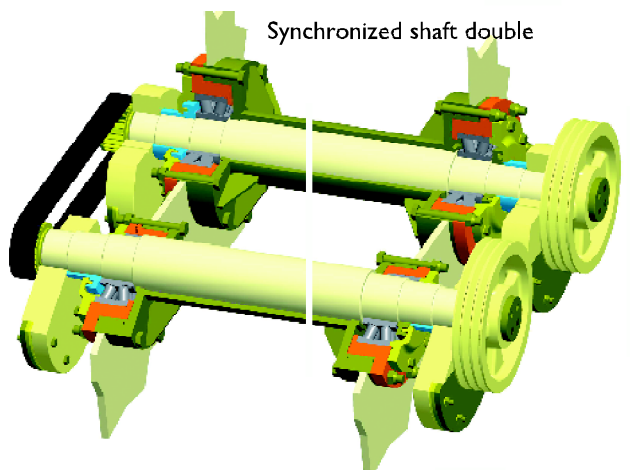
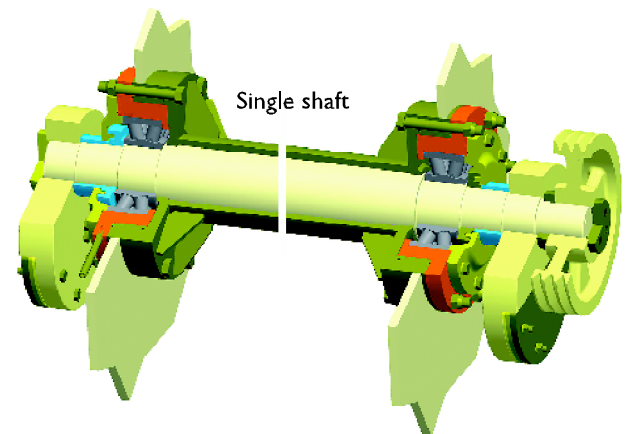
Bolted to the body of the machine, it allows the material to be spread across the entire width of the screen, which helps to absorb the impact of falling onto the mesh. It maximises the use of the screening surfaces (measurements always refer to working dimensions).

## OPTIONAL EXTRAS

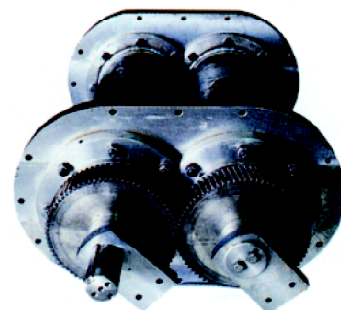
**Sprinkling Equipment:** For use in washing. Set of showers for the upper and intermediate screen, equipped with detachable spray nozzles that provide fan-type water sprinkling. Set up for working pressure of up to 4 bar.

**Special mesh support frames:** For the assembly of modular meshes that are easy to replace, adaptable to all models.

**Special stress ratchets:** Strengthened with anti-wear steel for heavy-duty applications.



Opposite direction Single shaft



### CVT

Conventional screens inclined at an angle of 18°ba. They are the most commonly used for fine and medium grading.

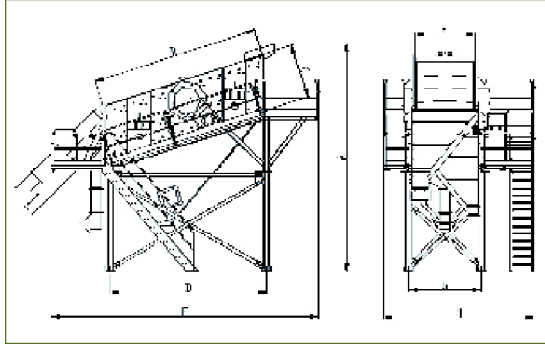
### CHT

Horizontal screens for low-height applications, e.g. mobile units and washing and desiccation.

### HEAVY-DUTY E.F. SCREENS

For heavy-duty applications, very coarse grading and primary equipment we manufacture screens with reinforced frames, higher-sided plates over the first mesh and overdimensioned suspension and drive mechanisms.

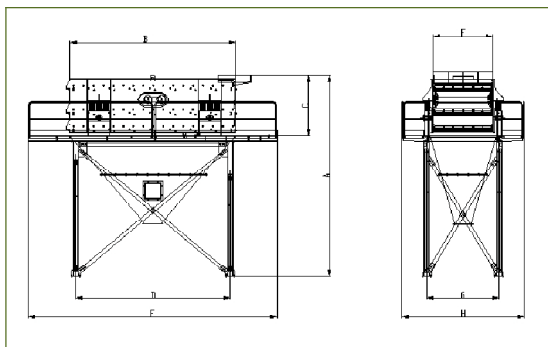
#### CVT Screens



| MODEL    | Working length mm | Working width mm | Power Kw  |             | Working surface area m2 |
|----------|-------------------|------------------|-----------|-------------|-------------------------|
|          |                   |                  | 2 Screens | 3-4 Screens |                         |
| CVT-1025 | 2500              | 1100             | 5,5       | 7,5         | 2,5                     |
| CVT-1230 | 3000              | 1360             | 7,5       | 11          | 3,75                    |
| CVT-1540 | 4000              | 1600             | 11        | 15          | 6                       |
| CVT-1545 | 4500              | 1600             | 11        | 15          | 6,75                    |
| CVT-1750 | 5000              | 1800             | 15        | 18,5        | 9                       |
| CVT-2060 | 6000              | 2100             | 22        | 22          | 12                      |
| CVT-2270 | 7000              | 2250             | 22        | 22          | 15                      |
| CVT-2670 | 7000              | 2650             | 30        | 30          | 18                      |

| MODEL    | A-II | A-III | A-IV | B    | C-II | C-III | C-IV | D    | E     | F    | G    | H    |
|----------|------|-------|------|------|------|-------|------|------|-------|------|------|------|
| CVT-1025 | 4765 | 5165  | 5565 | 2500 | 900  | 1350  | 1800 | 2330 | 5400  | 1100 | 1480 | 3775 |
| CVT-1230 | 5146 | 5686  | 6191 | 3000 | 1075 | 1575  | 2055 | 2830 | 5924  | 1360 | 1700 | 3975 |
| CVT-1540 | 6132 | 6610  | 6765 | 4000 | 1119 | 1569  | 2008 | 3600 | 6800  | 1600 | 2000 | 4285 |
| CVT-1545 | 6287 | 6765  | 6920 | 4500 | 1119 | 1569  | 2008 | 4075 | 7270  | 1600 | 2000 | 4285 |
| CVT-1750 | 6450 | 6820  | 7350 | 5000 | 1129 | 1630  | 2130 | 4650 | 7990  | 1800 | 2180 | 4500 |
| CVT-2060 | 8080 | 8600  | 9180 | 6000 | 1205 | 1700  | 2260 | 5600 | 9080  | 2100 | 2480 | 4780 |
| CVT-2270 | 8200 | 8700  | 9280 | 7000 | 1255 | 1810  | 2370 | 6500 | 10100 | 2250 | 2650 | 4980 |
| CVT-2670 | 8200 | 8700  | 9280 | 7000 | 1255 | 1810  | 2370 | 6500 | 10100 | 2650 | 3150 | 4570 |

#### CHT Screens



| MODEL    | Working length mm | Working width mm | Power Kw  |             | Working surface area m2 |
|----------|-------------------|------------------|-----------|-------------|-------------------------|
|          |                   |                  | 2 Screens | 3-4 Screens |                         |
| CHT-1025 | 2500              | 1100             | 5,5       | 7,5         | 2,5                     |
| CHT-1230 | 3000              | 1360             | 7,5       | 11          | 3,75                    |
| CHT-1540 | 4000              | 1600             | 11        | 15          | 6                       |
| CHT-1545 | 4500              | 1600             | 11        | 15          | 6,75                    |
| CHT-1750 | 5000              | 1800             | 15        | 18,5        | 9                       |
| CHT-2060 | 6000              | 2100             | 22        | 22          | 12                      |
| CHT-2270 | 7000              | 2250             | 22        | 22          | 15                      |
| CHT-2670 | 7000              | 2650             | 30        | 30          | 18                      |

| MODEL    | A-II | A-III | A-IV | B    | C-II | C-III | C-IV | D    | E     | F    | G    | H    |
|----------|------|-------|------|------|------|-------|------|------|-------|------|------|------|
| CHT-1025 | 3915 | 4315  | 4715 | 2500 | 900  | 1350  | 2330 | 2330 | 5400  | 1100 | 1480 | 3755 |
| CHT-1230 | 4166 | 4706  | 5211 | 3000 | 1075 | 1575  | 2830 | 2830 | 5924  | 1360 | 1700 | 3975 |
| CHT-1540 | 4832 | 5310  | 5465 | 4000 | 1119 | 1569  | 3600 | 3600 | 6800  | 1600 | 2000 | 4285 |
| CHT-1545 | 4832 | 5310  | 5465 | 4500 | 1119 | 1569  | 4075 | 4075 | 7272  | 1600 | 2000 | 4285 |
| CHT-1750 | 4950 | 5428  | 5583 | 5000 | 1130 | 1630  | 4650 | 4650 | 7990  | 1800 | 2180 | 4500 |
| CHT-2060 | 6058 | 6650  | 7230 | 6000 | 1205 | 1700  | 5600 | 5600 | 9080  | 2100 | 2480 | 4780 |
| CHT-2270 | 6150 | 6742  | 7322 | 7000 | 1255 | 1810  | 6500 | 6500 | 10100 | 2300 | 2650 | 4980 |
| CHT-2670 | 6150 | 6742  | 7322 | 7000 | 1255 | 1810  | 6500 | 6500 | 10100 | 2700 | 3150 | 5470 |



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