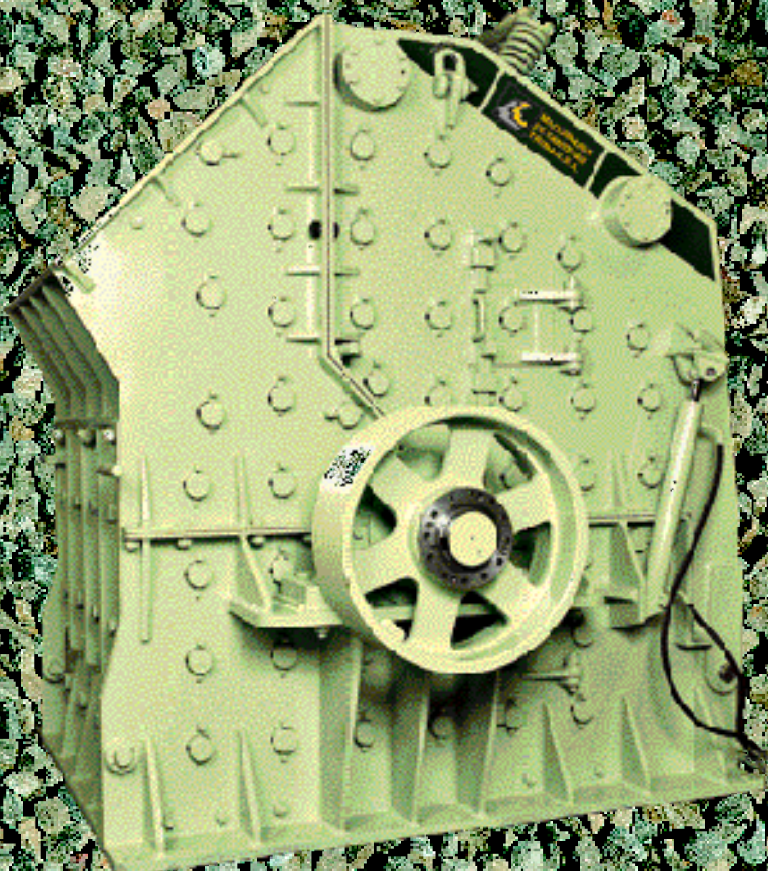


Triman  
Secondary  
impact  
mill



MAQUINARIA  
DE CANTERAS  
TRIMAN, S.A.U.

IST

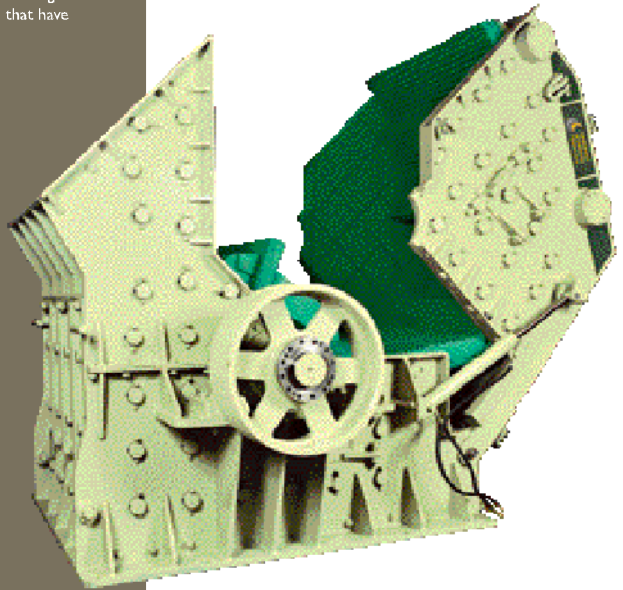


# SECONDARY IST IMPACT MILL

Impact mills generally involve high inflow and production rates. Our engineering department has developed secondary mills for materials that are highly abrasive, cobbles or output from primary mills.

Impact mills are also needed for particle form correction (cubicity) in products with a large particle size, such as BASALT.

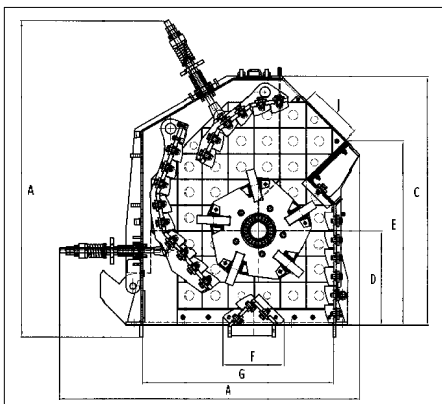
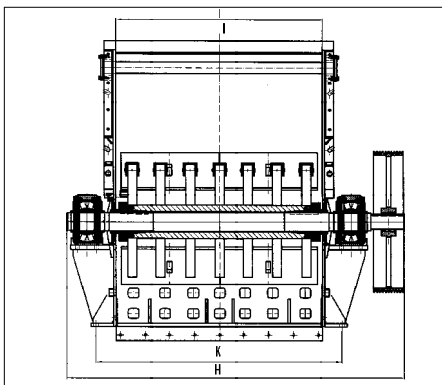
The secondary IST impact mill is perfectly suited to these tasks and can yield crushed gravel (0-50 mm) in a single run or to attain correct the form of scaly material that have already been run through a crusher.



## SPECIFICATIONS

- High output with low power consumption.
- High reduction capacity to 0-5 mm.
- Optimal cubicity.
- Finishes, impact plaques and rods built of cast chrome-molybdenum.
- Minimum wear, low cost.
- Unified finishes to minimize maintenance inventory.
- The impact rod replacement does not involve sliding in their supports and instead can be removed vertically.
- Triple impact screen to assure the perfect cubicity of the material and high IST reduction capacity.





## CONSTRUCTION

### FRAME

Laminated and ribbed steel members that are welded together to form a rugged unit. It is made up of three parts that are bolted together and housed in cast chrome-molybdenum steel sheeting that is easily replaceable.

**1. Inlet.** Designed to prevent obstruction by rocks and clustering in the loading ramp. The primary mill screen is mounted on the loading ramp frame.

**2. Rear frame.** Hydraulic swinging mechanism for internal maintenance and servicing; side hatches for inspecting impact bars. The second mill screen is mounted on the rear part of the frame.

**3. Lower frame.** Rugged design to withstand warping in the bearing supports and to bear the static and dynamic loads in the machine. The two sides of the lower frame support the third mill screen and have a hydraulic swinging hatch to facilitate maintenance and servicing operations.

### ROTOR

Extra strong design, mechanically welded, reinforced and perfectly balanced. The beater bars are mounted on the rotor by means of riveted tapered supports to simplify assembly and disassembly operations.

The rotor can have 4 or 5 rows of beater bars, depending of the desired working conditions.

### AXLE

Treated steel alloy, fixed to the rotor with conical sockets and wedge-braces to prevent tension in the welded joints.

### BEARINGS

Self-aligning high-load bearings, with a double row of rollers bolted to conical sockets.

### STAND

Mechanized single piece of steel, extra rugged design for industrial applications. Maze-type seals and consistent EP-2 lubrication.

### REGULATION

Hydraulic screen displacement mechanisms that are driven by a central hydraulic unit with electric motor and control module.

| MODEL | A    | B    | C    | D   | E    | F   | G    | H    | I    | J   | K    |
|-------|------|------|------|-----|------|-----|------|------|------|-----|------|
| IST-4 | 2995 | 2973 | 2460 | 930 | 1795 | 600 | 1885 | 1670 | 775  | 660 | 1125 |
| IST-5 | 2995 | 2973 | 2460 | 930 | 1795 | 600 | 1885 | 2155 | 1130 | 660 | 1480 |
| IST-6 | 2995 | 2973 | 2460 | 930 | 1795 | 600 | 1885 | 2526 | 1485 | 660 | 1835 |
| IST-7 | 3115 | 2973 | 2460 | 930 | 1795 | 600 | 1885 | 3000 | 1850 | 660 | 2185 |

| MODEL | Inlet Width mm | Inlet Height mm | WEIGHT kg. | *Input particle Size | Power Kw | Production T/h |
|-------|----------------|-----------------|------------|----------------------|----------|----------------|
| IST-4 | 750            | 660             | 11.450     | 350                  | 132      | 200            |
| IST-5 | 1100           | 660             | 14.710     | 350                  | 200      | 270            |
| IST-6 | 1500           | 660             | 18.000     | 350                  | 250      | 340            |
| IST-7 | 1850           | 660             | 23.050     | 350                  | 370      | 500            |

\*The input particle size should be adapted to the type of incoming aggregate; 350 mm is considered to be a maximum size for limestone.



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