

# Component Leveller

**For high degree precision**

High Quality Product for  
Precision Levelling of components



Reduces component rejection,  
Increases customer satisfaction.

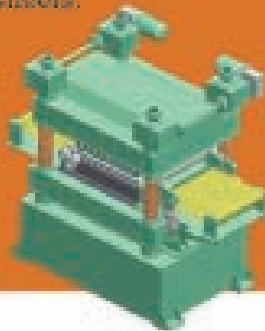


## Why Press Room Levellers are your Profitable Decision...

- Field Experience of more than 15 years.
- Proper Engineering & Design
- Correct Manufacturing process
- Rigid frame work
- Proper material selection & machined to highest dimensional accuracy.
- Right rollers material & right process of manufacturing.
- Best machine rigidity requiring no special foundation.
- Easy access to parts for cleaning & maintenance.
- Proper operator training.
- Trained field technicians to support you for service & application.
- Ease of parts/spares availability.
- Single Person handling.
- Free test trials for your components at our test lab.

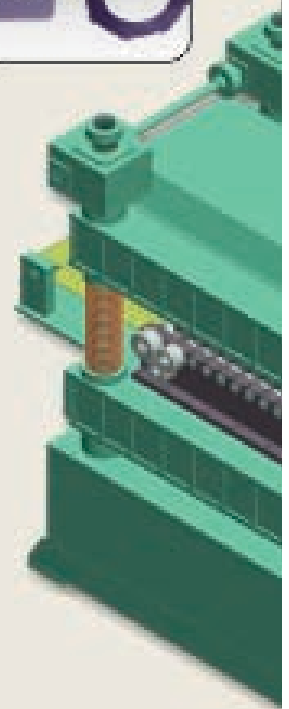
### Introduction

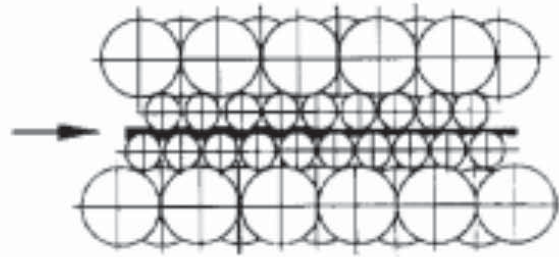
In the range of sheet metal coil feeding automation, Press Room has been redefining the industry standards & have brought out precision levellers for straightening of coils, strips, components, sheets.



### Application of parts Levelling

- Stampings
- Motor laminations
- Coil laminations
- Control panels
- Furniture panels
- Saw blade blanks
- Clutch plates
- Microfilm spools
- Brake plates
- Bi-metal Bearings
- Computer parts
- CNC Turret punch parts.





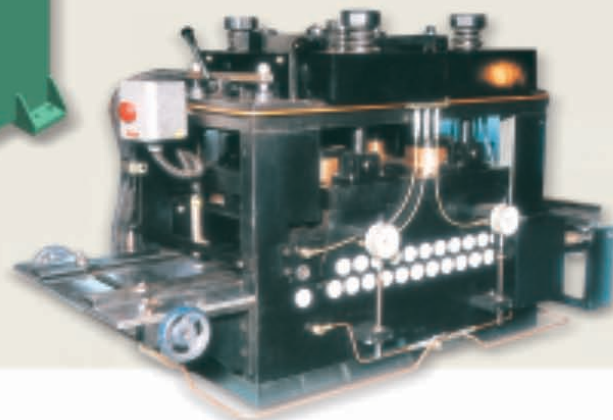
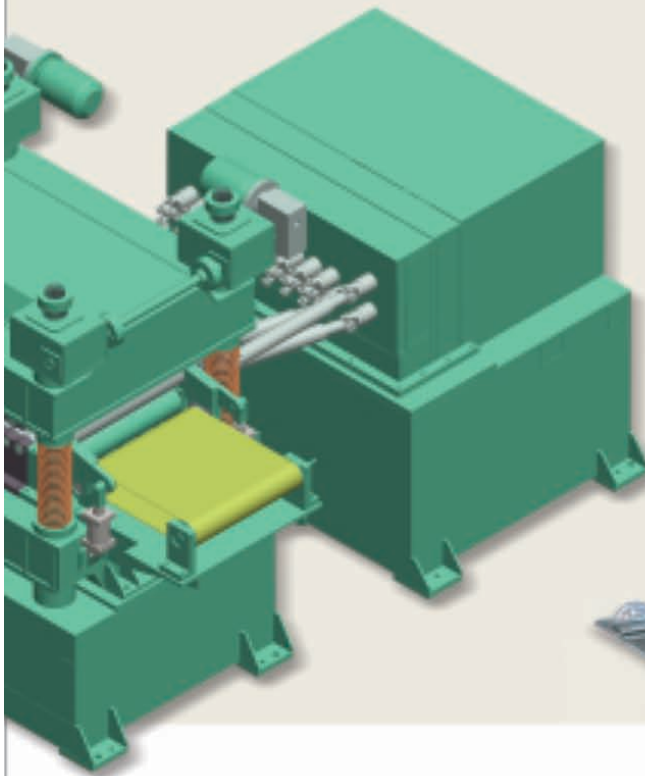
## Standard Features

- ◆ Four-high design.
- ◆ Manually adjustable back-up rolls
- ◆ Small work rolls, hardened/ground/polished
- ◆ All Straightening rolls are Powerd.
- ◆ Integral universal geared drive.
- ◆ Dial gauge roll position indicator.
- ◆ Oil bath gear case, sealed roll bearings, positive lubrication.
- ◆ Bolted rugged main frame in one torque resisting assembly.
- ◆ Main drive motor for 440V, 3ph, 50 cycle.
- ◆ "Run, Jog-Reverse, Stop" controls, Fusible disconnect..
- ◆ Automatic central lubrication of work roll bearings.
- ◆ Adjustable side guide.

- ◆ Straightening accuracy  $\pm 0.01$  to  $0.05$  is achieved depending on input component conditions, Raw material & hardness, roll setting, thickness variation of components.
- ◆ 17/19/21 Straightening rolls.
- ◆ Straightening roll diameter from 8mm to 200 mm to cover a wide range of jobs.

## Optional Features

- ◆ Five or six high configuration for one or two side special polished sheet stock, in place of four-high
- ◆ Chrome plated work rolls.
- ◆ Base for larger pass line
- ◆ Slant base for press coil feed operations.
- ◆ Variable speed drive and controls.
- ◆ Loop control system.
- ◆ Powered work roll positioning in place of manual.
- ◆ Remote work roll position indicators.
- ◆ Cascade rolls at entry or exit.
- ◆ Powered pinch rolls.
- ◆ Special features on request.
- ◆ Motorised adjustment of rolls with digital display.
- ◆ 25/31 Straightening rolls.
- ◆ CNC Controlled levellers offered.



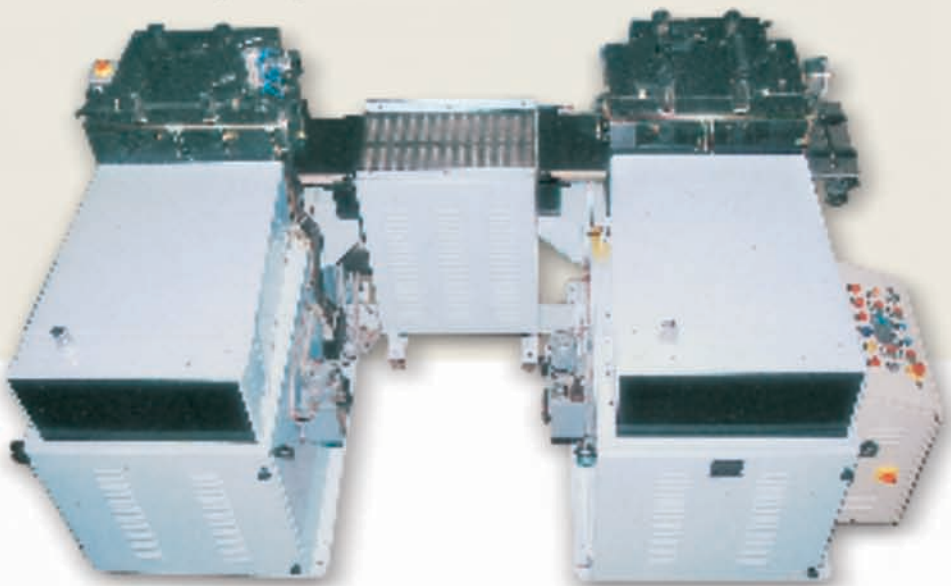
## Automatic PLC Controlled Part Leveller



### Twin Levelling

Round parts are always levelled in two directions. The most economical solution for series production such as clutch disks in a Twin Levelling machine. This double levelling line consists of 2 precision part levelling units connected by a turntable. Between the two levelling sequences the turntable turns the parts by 90°

1. Adjustment of Straightening Rolls via Servo / A. C. Motor & Drive.
2. 10-30 Parts Setting Parameters can be Stored for Quick Retrieval in Future.
3. Accuracy of Roll Positioning in Range of 50 Microns.
4. Entire Operation Setting by Unskilled Operator, Once pre-programmed.
5. Possibility of Two Three Programme for Same Part due to variation of the Input Parameters like Hardness etc.



*Technical specifications are indicative and subject to change to suit end application.*

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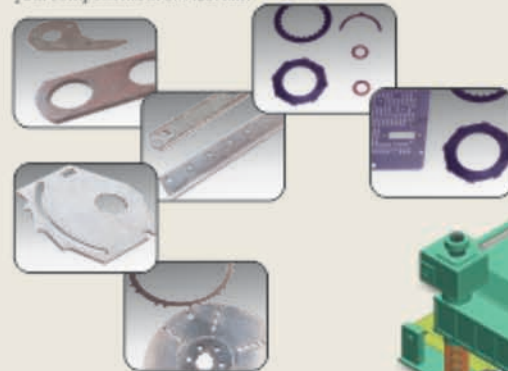


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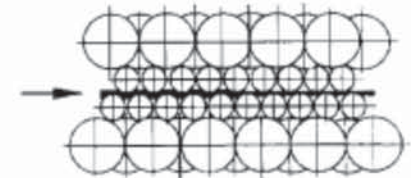
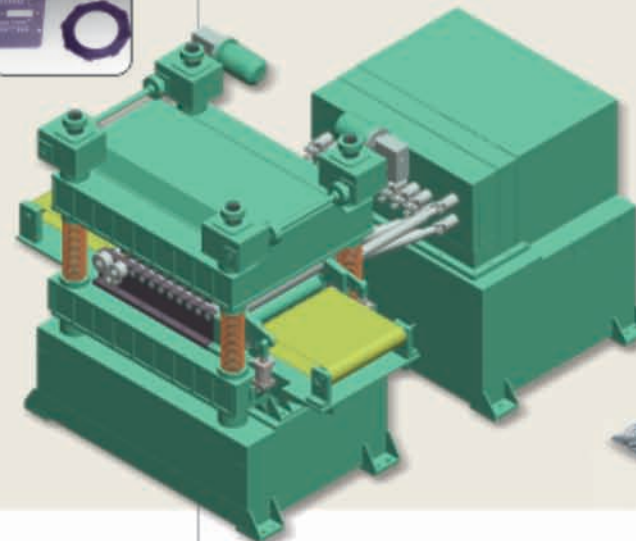


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