



# ▼ CABLE TRAYS



**FLEXILINES®**  
FLEXIBLE MANUFACTURING SYSTEMS



# PUNCHING AND ROLLFORMING FLEXIBLE LINES



**Founded in 1957,  
DIMECO manufacture  
flexible lines for  
continuous metallic  
parts production**

## Description

Starting from blanks or working from coil, DIMECO propose different solutions for cable trays manufacturing.

The lines we propose allow industrialising any type of cable tray. Our lines are suitable to manufacture cable trays, in different widths, heights, and thicknesses, at a high rate, with low changeover times.

The whole line is electronically controlled to ensure that the right feeding, punching, and cutting are achieved.

The lines are tested and validated in our factory at real speed before delivery.

## Standard equipment

The press feeding line up to the press is made with elements chosen among over 50 machines and 200 options belonging to our standard range, in order to suit perfectly the application.

## Punching

The Flexipress®, DIMECO flexible press, ensures the required punching (and embossing) pattern, offering the following features:

- CNC, high speed punching system
- Reduced structure
- Eccentric shaft in the lower part
- Eccentric load admitted
- Greasing system in the lower part
- Necessary tools ready on the table
- Each tool operated by a selector
- Selectors controlled by the program.

## Shear

The sheet plate is cut in the Flexipress®, after being punched, and fed to the roll forming process.

The length of the trays (2, 3 or 6 m) depends on the needs and can be easily modified from the control panel.





# PUNCHED CABLE TRAYS



**Cable trays up to  
1000 mm wide,  
125 mm high,  
and 2 mm thick**

## Rollforming

Two duplex, width adjustable, roll forming machines are included in the lines: the first is meant to achieve the edges, while the second one rises the wings 90°. The Duplex system is always referred to the centre and the sides are adjusted to the needed cable tray width. Ten stations are usually set for each roll forming machine, while the shaft diameters are adapted to the required width, thickness, and material.

## Coupling system

Sometimes, a narrowing system is required at the outlet, so the cable trays parts can be easily connected one into the another.

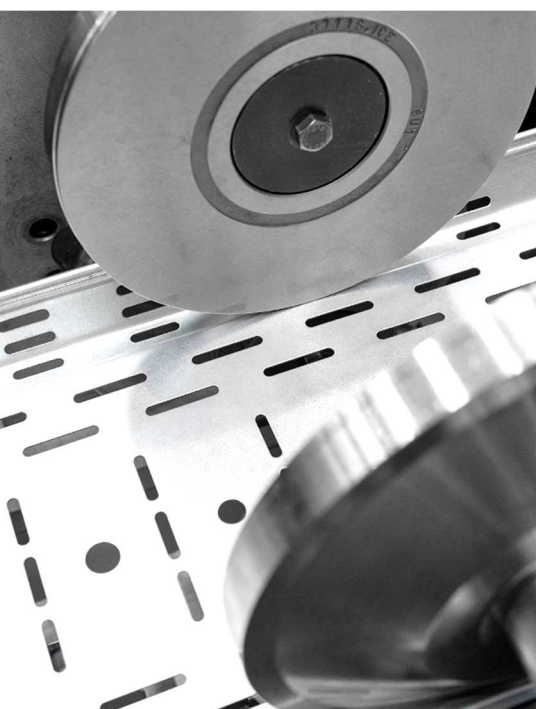


## Line structure

- Decoiler
- Straightener
- Press electronic feeder
- Flexipress® (120 strokes/min)
- Shear
- 2 roll forming machines
- Peripheral safety enclosure, according to CE standards.
- Approximate dimensions: 30 x 6 m

## Line highlights

- All the necessary tooling set on the press table.
- CNC controlled punching and cutting.
- Low changeover times.
- High production rates.





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