

# ROLL FORMING MACHINE FOR OPEN PERFORATED PROFILES

## DESCRIPTION

Roll-forming machine is designed to produce perforated open profiles of any type desired by the customer. A particular type of profile is formed by pre-setting the forming rolls in an RVS raft – fast type changing device. Change of a desired perforation shape is achieved by changing the punch tool. To change production from one type of profile to a different one takes about 30 minutes, depending on the skill of the operator. The roll-forming machine offers an option of punching the perforations before the forming section or forming the profile without any perforations. The finished profile is cut by shear. The starting material is in a form of a strip and uncoils from AOZ 25 Uncoiler into the punching section and then into the roll-forming section of the machine where the profile takes on the desired cross section shape. The dividing section shears the profiles in lengths from 0,2÷6,0 m or as the customer orders. Run-out table with slide into a storage magazine or a technological pallet for the finished profiles is an integral part of the machine. The Roll-forming machine is controlled by PLC programmable automaton. The operator enters the desired number and length of profile pieces to be made and once this number is reached or the strip on AOZ 25 is finished the machine stops automatically. Only one operator is needed for this machine.

## BASIC PARAMETERS OF THE MACHINE:

Depend on the specific needs of the customer.

## ROLL-FORMING MACHINE HAS THE FOLLOWING SECTIONS:

1. Uncoiler AOZ 25
2. Horizontal and vertical guidance of strip into the machine
3. Perforation punching section including punching a logo and profile designation
4. Forming section
5. Length gauging device IRC
6. Turks head
7. Control panel OP-1 including software
8. Dividing section with a shear
9. Run-out table including a slide for the finished profiles into a pallet
10. Hydraulic generator HA-1

