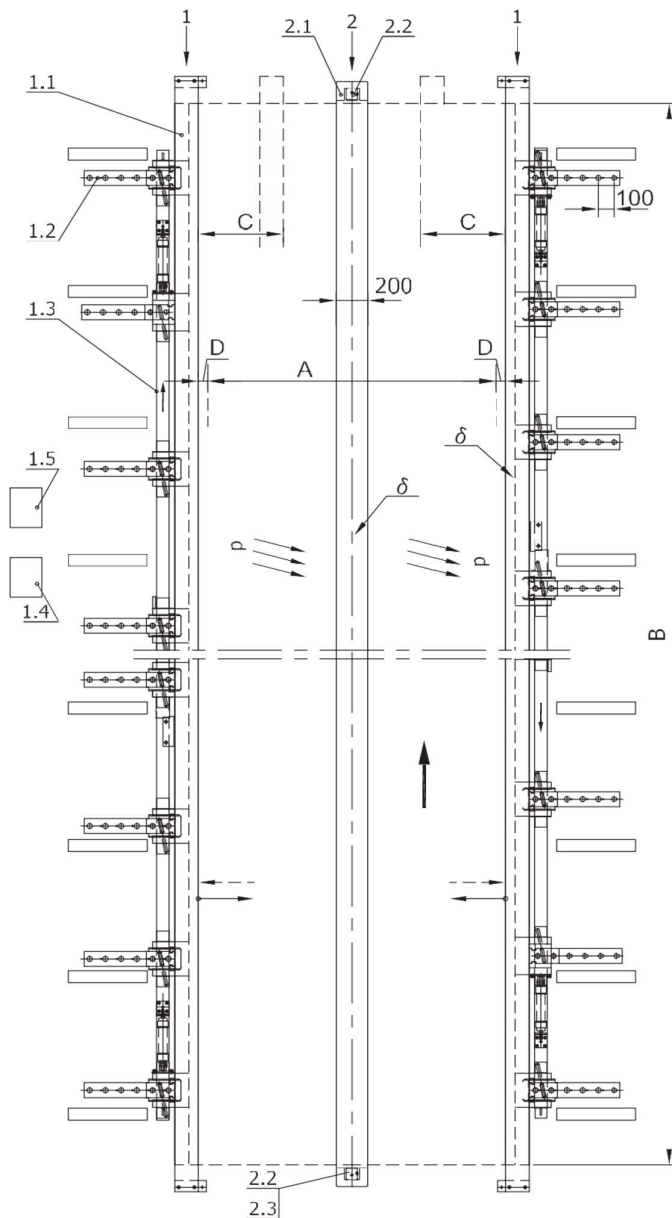


Modernization of tape width limitation devices



- | | |
|---|---|
| 1. Left and right side limiting device: | 2. Central device: |
| 1.1 Double piece ruler | 2.1 Ruler |
| 1.2 Ruler pusher | 2.2 Position hardener |
| 1.3 Hydraulic moving mechanism | 2.3 Mechanism for middle ruler dilatation |
| 1.4 Hydraulic aggregate | |
| 1.5 Panel operating board | |

For both devices:

Application: on the press for belts vulcanizing "rubber" transport

Belt width: $A = (1600 \div 3200) \text{ mm}$

Heating plate length: $B = (6000 \div 15600) \text{ mm}$

Belt thickness: $d = (8 \div 40) \text{ mm}$

specific pressing pressure:

$$p = (25 \div 40) \text{ daN/cm}^2$$

For side device:

- A couple of rulers for all belt width
- Belt width decreasing (carried out manually)
- $2 \times C = 2 \times (400 \div 800) \text{ mm}$
- Rulers working movement by hydraulic force
- $2 \times D = 2 \times (0 \div 25) \text{ mm}$
- Mounting device can be done heating plate/carrying plate

For the central device:

- It is possible to vulcanize two belts in a same time
- Mounting device for heating plate
- Ruler remain tight without heating plate changing temperature

Advantages:

- Production of two belts by one pressing
- The ultimate straightness of belt
- Requires less number of rulers
- Lower cost of rulers
- Easier ruler mounting/unmounting
- Easier ruler storage