10 - REAR GAUGE ASSEMBLIES

10 - 1 DESCRIPTION

Mechanical part of the back gauge assembly.

The mechanical part of the back gauge unit is made up of a compact assembly attached to the lower beam on the press. A DC motor (item 4) is attached to the rear of the compact assembly, and transmits movement via notched belts (item 5) to one (model 412) or two (model 600) ball screws.

The rotation of the ball screws moves the mobile crosspiece.

A group of casings (item 9) protect the mechanisms in the rear gauge assembly unit and provide operator safety.

Two proximity detectors (items 6 and 7) front and rear stop the movement at the end of the strokes.

Positioning of the sheet is regulated by the two slide runners (item 10) that are adjustable over the entire length of the slide guide plate (item 1). Each slide runner is fitted with stop finger articulated upward.

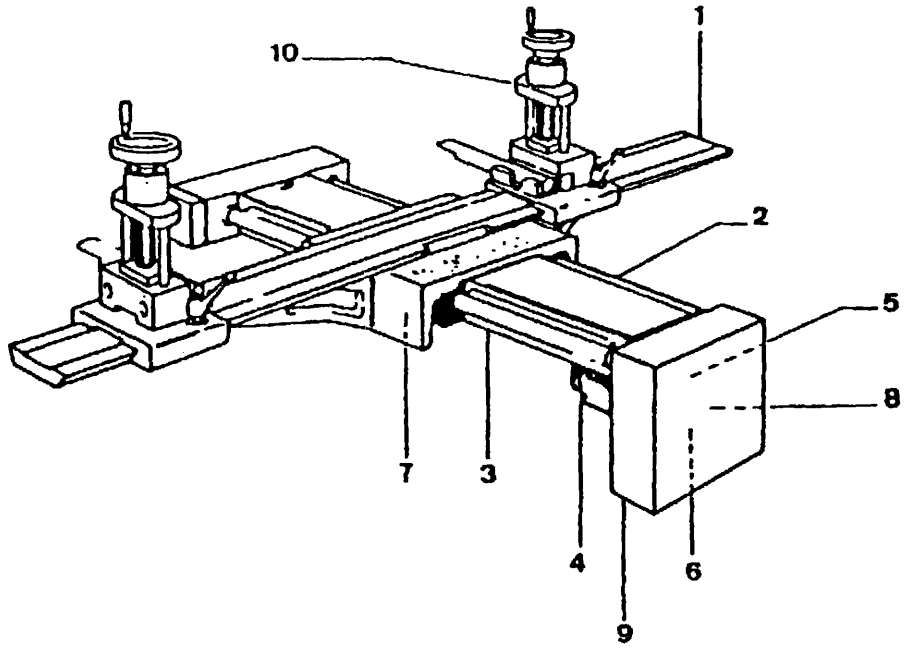
An encoder (item 8) coupled to the motor (item 4) generates counting and resetting signals.

Motor driver on stop fingers:

The mobile fingers are motor driven to provide programmed and automatic vertical movement for the stay following a predetermined sequence over the entire length of the stroke (150 mm).

Via a belt, a DC motor transmits movement to a threaded bolt (master bolt) which moves the stop finger. The end of the lower stroke is controlled by a proximity detector used to realign the assembly.

10 - 2 REAR GAUGE ASSEMBLY MECHANISM ON MODEL 412



1 - Slide guide plates

2 - Guide spindles

3 - Ball screw

4 - Motor

5 - Transmission system

6 - Inductive sensors

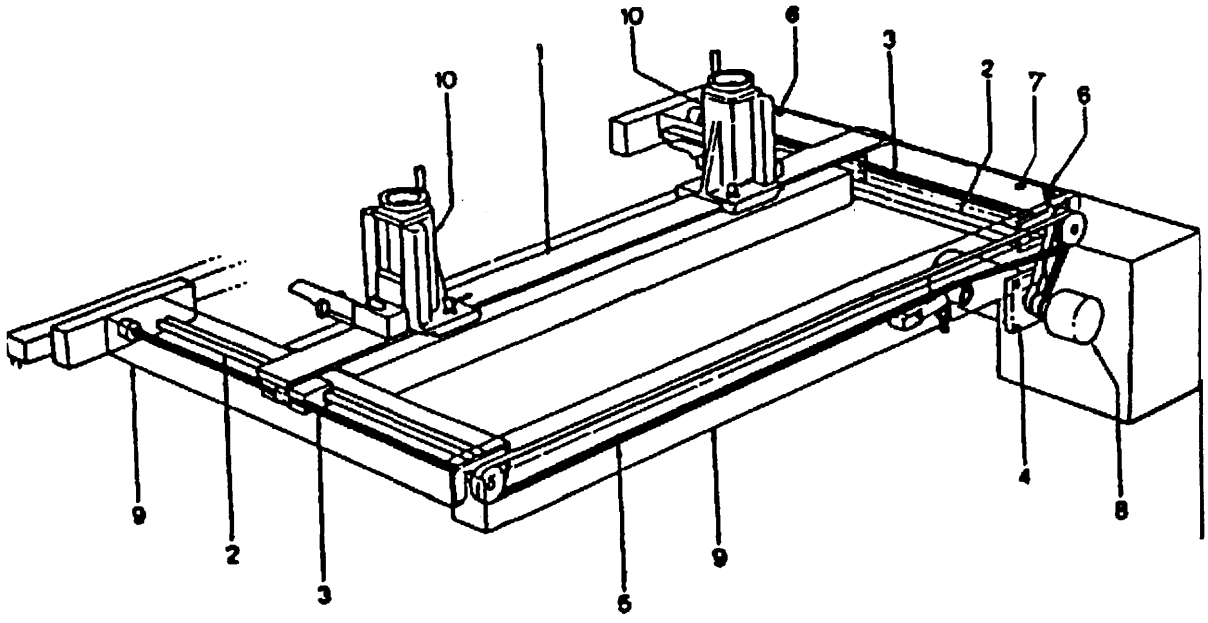
7 - Detector

8 - Encoder

9 - Casing

10 - Slide

10 - 3 REAR GAUGE ASSEMBLY MECHANISM ON MODEL 600



1 - Slide guideplate

2 - Guide spindles

3 - Ball screw

4 - Motor

5 - Transmission sytem

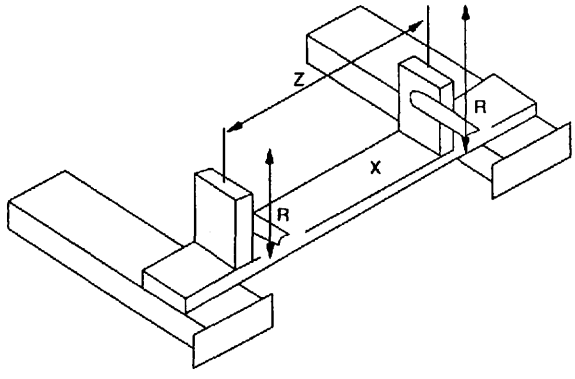
6 - Inductive limit switches

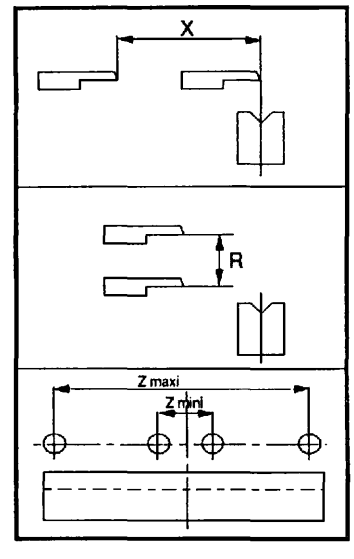
7 -Adjustment sensor (ITPS only)

8 - Encoder

9 - Casing

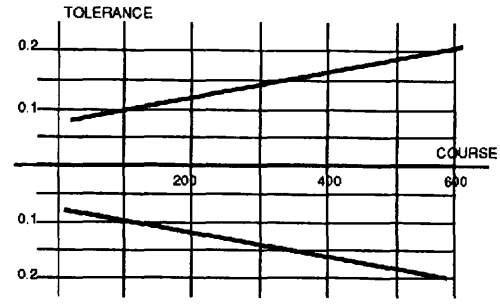
10 - Slides





TYPE	MACHINES EQUIPEES			
	50/20	80/25	103	125/30
620	•			
625		•		
620			•	•

X AXIS

GAUGE	STROKE (in mm)	SPEED (in mm/sec)		POSITIONING ACCURACY (in mm)
		ITS	ITPS	
412 620 625 630	400 600 600 600	160 ± 10	200 ± 10	

R1 AXIS, motor-driven R2

GAUGE	STROKE (in mm)	SPEED (in mm/sec)		POSITIONING ACCURACY (in mm)	
		ITS	ITPS	ITS	ITPS
412 620 625 630	130 ± 10	30 ± 5	60 ± 5	± 0,3	± 0,1

* This value is also applicable to axes R1 and R2 in the manual version.

Z AXIS

GAUGE	STROKE (in mm)	SPEED (in mm/s)		DISTANCE BETWEEN FINGERS		ACCURACY (in mm)
		ITS	ITPS	Max.	Min.	
412 620 625 630	510 895 1395 1815	(manual) ± 150 ± 5	(manual) ± 170 ± 10	105 105	615 1000 ± 1 1500 1920	(manual)