Maschinen für die Hutindustrie

Universal Touring Machine Type 315

(Edition2017/08)

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With stepless adjustment of number of rotation

This machine has been newly designed for the purpose of being able to do all occuring kinds of touring work with just one basic machine. Individual machine elements are interchangeable. The machine works with stepless adjustment of the number of rotations and practically does not require any maintenance on account of it´s strong construction. It can be used universally.

I. Design of Spindle

The nose of the spindle can be delivered optionally in 3 different shapes.

a. With conical cord thread and hand wheel (mostly used with horizontal touring machines for the taking up of wooden blocks.

b. With inserted conical pin and plate (3 sizes of plates)

   A. Running clockwise and counter-clockwise (velour touring machine)
   B. Running clockwise and counter-clockwise (velour touring machine)

c. With cylindrical thread and flange bearings.

II. Electrical Fittings

a. With standard handle switch:

   The machine is only switched on and off. Direction of rotation only to one side. For use with lying touring machines (with horizontal shaft) and up-right touring machines (with vertical shaft, ragging touring machines).

b. With handle turn-switch

   The direction of rotation can be reversed with the turn-switch. Direction of rotation possible to both sides. Usable for touring machines, where occasionally touring work is to be done to both sides. For use with lying touring machines with horizontal shaft and upright touring machines with vertical shaft. Also for machines on which touring work mostly to one side is being done, but where for certain kinds of touring work also the other direction of rotation is required.

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Advantage

The machine runs in the desired direction of rotation without having to hold or to operate a switching element all the time. The operator is completely free for operating. He can also leave the machine.

Disadvantage

If the direction of rotation is changed often, then the switching of the hand switch or hand turn-switch has to be done by hand. The frequency of switching is technically limited.

Use

Only recommended for machines with lying (horizontal shaft, or ragging touring machines with upright (vertical) shaft.

c. With 3 push-buttons and turn unit

The direction of rotation can be changed as often as required. Mounting of the push-buttons on the machine for operation by hand. Usable for clockwisely and counter-clockwisely running machines (horizontal touring machines). All work operations can be performed. Universally usable. High frequency of switching possible (every second one reversing of direction of rotation).

Advantage

The direction of rotation can be reversed as often as desired. Hight frequency of switching possible.

Disadvantage

With frequent reversing of direction of rotation it is not always advantageous to have to reverse the direction of rotation over the push-buttons by hand (which is needed for operating)

Use

Mostly with machine switch lying (horizontal) shaft, if frequent switching-in and switching-off and reversing of direction of rotation is desired with medium frequency.

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d. With foot pedal, end switch, and turning unit

The spindle turns to the right as long as the right foot-pedal is pressed. Turning to the left analogous.

Advantage

Immediate reversing of direction of rotation is easily possible in fast sequence. The hands are free for working.

Disadvantage

The spindle of the machine is turning only if the foot pedal is pressed. The operator is bound to the working place.

III. Numbers of Rotations of the Spindle

The number of rotations can be steplessly adjusted from approximately 260 to 1560 r.p.m. It can be read on the hand wheel. This scope is sufficient for almost all kinds of work done on a touring machine.

Special Designs (against additional price)

a. Numbers of rotations adjustable from 180 to 1000 r.p.m.

b. In place of the standard motor a brake motor is installed. The working spindle is idling within 1 to 2 seconds after it is switched off. For use on machines which are employed for special purposees, as pouncing lathes, and which have to be stopped often and fast.

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Technical data

Type	1-unit	2-unit
Measurements		
Length	950 mm	1800 mm
	37,4 inch	70,9 inch
Width	750 mm	750 mm
	29,5 inch	29,5 inch
Height	1000 mm	1000 mm
	39,4 inch	39,4 inch
Weight		
net kg	130 kg	260 kg
	286,60 lbs	573,20 lbs
gross kg	215 kg	310 kg
	473,99 lbs	683,43 lbs
Power required kW	0,18	0,36
Cross section of the feed line qmm	1,5	1,5
Dimensions of cases seaworthy packed		
Length	1200 mm	1900 mm
	47,2 inch	74,8 inch
Width	800 mm	800 mm
	31,5 inch	315 inch
Height	1100 mm	1100 mm
	43,1 inch	43,1 inch
Dimensions of cases packed for Conainer Transport		
Length	1200 mm	1900 mm
	47,2 inch	74,8 inch
Width	800 mm	800 mm
	31,5 inch	31,50 inch
Height	1100 mm	1100 mm
	43,1 inch	43,1 inch

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