

# TSH-411U (Bottom feed) TSU-471U (Top & bottom feed) TSN-421U (Needle feed) TSC-441U (Unison feed)

1-needle, Semi-long Cylinder Bed, Lockstitch Machine with a Large Shuttle-hook for Extra-heavy-weight Materials



## Four different feeding methods are available. Select the method which best suits the use of your machine.

#### TSH-411U (Bottom feed)

The TSH-411U can be modified to sew sharp curves by replacing the presser foot with a roller presser.

Use: Decorative stitches on shoes, bag handles,

#### TSN-421U (Needle feed)

With its bottom feed and feed-dog feed, the machine sews articles entirely free from uneven material feed.

Use: Shoes, seat belts,

#### TSU-471U (Top & bottom feed)

The top feed amount is adjustable within the range of ±30% of the bottom feed.

Use: Gloves, tents, bags, bag handles, shirring, tape-attachment with a binder installed on the machine, etc.

#### TSC-441U (Unison feed)

A top & bottom feed mechanism has been added to the machine's needle feed system. This ensures a higher feed efficiency and the production of higherquality seams without uneven material feed.

Use: Bags, pouches, shoes, seat belts, etc.

Large shuttle hook

#### Higher lift of the presser foot

The lifting range of the presser foot is as high as 20mm for smooth placement/removal of extra-heavy-weight materials.

#### Frequency of bobbin thread replacement is reduced

The machine comes with a large shuttle-hook. This type of shuttle-hook helps to reduce the frequency of bobbin thread replacement and is best suited for the sewing of extraheavy-weight materials sewn with lower-count threads.

#### The bobbin winder is built into the front portion of the machine

The bobbin winder is built into the front portion of the machine arm for easy manipulation.



### Specifications

Model name	TSH-411U	TSN-421U	TSU-471U	TSC-441U
Feed system	Bottom feed	Needle feed	Top & bottom feed	Unison feed
Max. sewing speed	800sti/min*			
Max. stitch length	11mm (normal/reverse feed)			
Needle bar stroke	56mm			
Lift of the presser foot	By pedal: 20mm/By hand: 12mm			
Alternating vertical movement	_		4~8mm	
Thread take-up	Cam-type			
Hook	Large shuttle-hook			
Needle	794Nm130~Nm280 (standard Nm230)			
Thread	#8~#0 (Japanese yarn count)			
Lubrication	By hand			
Free space for sewing	420mm			
Cylinder bed diameter	<i>φ</i> 81mm			
Weight of the machine head	56kg			

<sup>\* &</sup>quot;sti/min" stands for "Stiches per Minute"

# Wider space under the machine arm

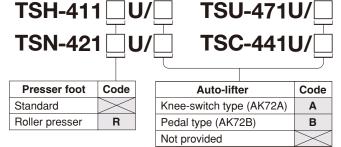
20mm

The machine has a wider free space under the machine arm to allow the operator to easily place and remove a large sewing products. In addition, the machine has outstanding capabilities in the sewing of sharp curves.



#### ■When you place orders

Please note when placing orders, that the model name should he written as follows:



To order, please contact your nearest JUKI distributor.





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\* Specifications and appearance are subject to change without prior notice for improvement.

\* Read the instruction manual before putting the machine into service to ensure safety.

\* This catalogue prints with environment-friendly soyink on recycle paper.

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