

# Cot Grinding Machines

Cot Mounting Presses

**asteks®**  
[www.asteks.com](http://www.asteks.com)

202-AFT



201-AF



201-MTL



201-M



PRESSES

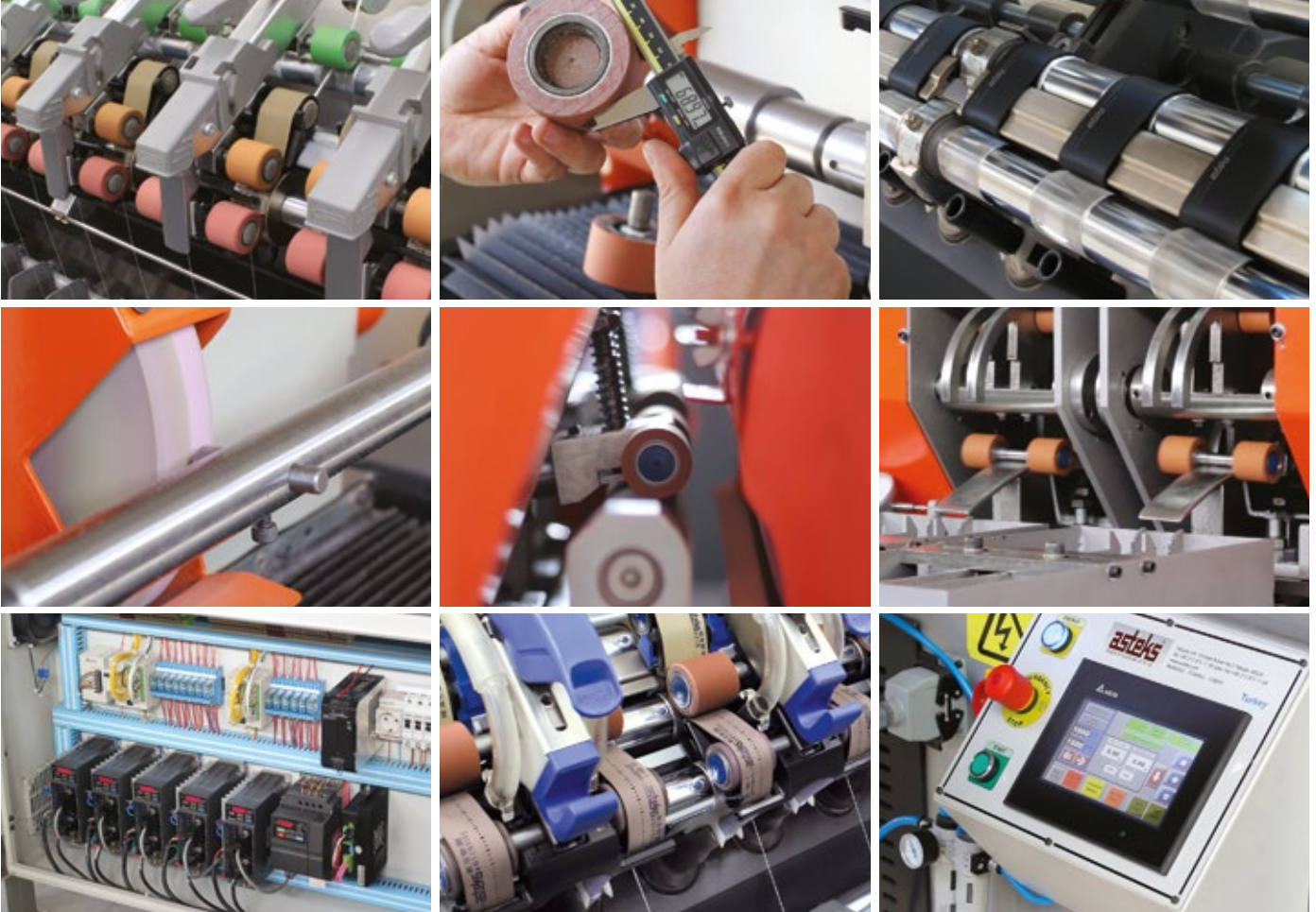


SINCE 1970



**asteks®**  
KAUÇUK VE PLASTİK SAN. TİC. A.Ş.

# COMPANY PROFILE



**ASTEKS** is active in the textile industry since 1970 strictly adhering to its values, it has combined its experience gained throughout the years, with contemporary technology and carried this combination up until today. The production is taking place in Istanbul, within a modern production unit that has 11.000 m<sup>2</sup> open and 6.000 m<sup>2</sup> closed area. After 1997, as a result of the re-structuring activities, the company has acquired an institutionalized corporate structure trusted both domestically and internationally, pursuing modern management approaches.

The domestic market share of the company is 75% and it is currently exporting to 25 countries that include Uzbekistan, Turkmenistan, Iran, Indonesia, Vietnam, China, Egypt, Ethiopia, USA, Peru, Greece, Poland, France, Lithuania and Bulgaria.

The processes in grinding rooms are very important for maintaining the quality in spinning mills. The machines and presses which perform grinding, mounting and dismounting of spinning, roving and drawing cots should have satisfactory properties.

**ASTEKS** performs the works related to automation and machines which are used in cot production and grinding in its own facilities. The company applies its long time experience and the novel technologies on "grinding machines and cot mounting and dismounting presses".



# 202- AFT Cot Grinding Machine

(With Automatic Feeding - Twin Directions)

This is a full automatic versatile cot grinding machine which is developed for the spinning mills having a necessity of grinding high amount of cots. Through the twin direction feature, draw frame and comber cots can be ground on the other side of the machine.



**Machine Front View**  
Automatic Cot Grinding System



Height	Width	Depth	Weight
1.760 mm	1.200 mm	1.400 mm	1.200 kg

## MAKİNE TEKNİK BİLGİLERİ

- Servo controlled cot rotating motor.
- Servo controlled linear sliding counter system.
- Invertor controlled grinding stone motor.
- Touch screen panel HMI 7 inch.
- PLC automation system.
- The advanced grinding stone for cot grinding.
- Dust suction cyclone, cot storing and stone grinding adapters.

**The Double Cassette Feeding System;** it makes easy the working of the operator with feeding capacity of high number cot shaft.

**Automatic Grinding System;** it exhibits an efficient working by grinding the cots which come from double cassette feeding and provides an opportunity to the worker to organize the other works at the same time.

**Touch Screen Control Panel;** it provides an easy possibility to adjust the control of the machine according to the request such as the amount of pass which will be removed from the surface of the cot, the travers speed, the time of grinding of the stone.

**Automatic Stone Grinding System;** the grinding of the stone can be done automatically, fast and without any trouble by giving only a command from the touch screen panel while it does not need any mounting.

**PLC Automation System;** it provides a possibility of personalization of all working adjustments.



Double Cassette Automatic  
Cot Grinding System



DRAWING - COMBING  
Cot Grinding System



Machine Side View

#### MACHINE RUNNING PERFORMANCE INFORMATION

Cot Grinding Capacity:

19 x 32 x 29 1.000 pieces/hour

The Precision of Grinding and Surface Roughness:

0,02 - 1,2 < Ra

#### WORKING LIMITS

Minimum Grinding Diameter:

26 mm.

Maximum Grinding Diameter:

38 mm.

Maximum Length of the Piece to be ground:

400 mm.



Machine Back View

*Drawing - Combing Cot Grinding System*

# 201- AF Cot Grinding Machine

(With Automatic Feeding)



Height	Width	Depth	Weight
1.760 mm	850 mm	1.370 mm	740 kg

## MACHINE TECHNICAL INFORMATION

- Inverter controlled tailstock motor.
- Inverter controlled linear sliding counter system.
- Grinding stone motor.
- Touch screen panel HMI 7 inch.
- PLC automation systems.
- The advanced grinding stone for cot grinding.
- Dust suction cyclone, cot storing and stone grinding adapters.

**Cassette Feeding System;** it makes easy the working of the operator with feeding capacity of 72 cot shaft.

**Combined Grinding System;** provides drawing - combing cot grinding opportunity without removing the automatic grinding unit.

**Automatic Grinding System;** it exhibits an efficient working by grinding the cots which come from feeding and opportunity to the worker to organize the other works at the same time.

**Touch Screen Control Panel;** it provides an easy possibility to adjust the control of the machine according to the request such as the amount of pass which will be removed from the surface of the cot, the running speed, the tailstock rotation, the time of grinding of the stone.

**Inverter Controlled Tailstock, Counter System;** it provides an easy determination of the running speed and tailstock rotation which is required for obtaining the desired cot surface smoothness (Ra) depending on the cot hardness and the yarn count.

**PLC Automation System;** it provides a possibility of personalization of all working adjustments.



## MACHINE RUNNING PERFORMANCE INFORMATION

### Cot Grinding Capacity:

19 x 32 x 29 500 pieces/hour

**The Precision of Grinding and Surface Roughness:** 0,02 - 1,2 < Ra

### WORKING LIMITS

**Minimum Grinding Diameter:** 26 mm.

**Maximum Grinding Diameter:** 38 mm.

**Max. Length of the Piece to be ground:**

190 mm.



# 201- MTL Cot Grinding Machine

(Manual - Textured - With Laser Measurement)

It is a grinding machine that is developed for grinding of cots that are used in the production of textured yarn. The work productivity increases with the laser measuring system.

**Diameter Measuring System With Laser:** it measures the outer diameter of the cot which will be ground and eliminates the diameter measuring work of the operator by saving time and labor.

**Automatic Grinding System:** after placing of cot and pushing the start button, the pneumatic tailstock closes and provides quick grinding which corresponds to a predetermined amount of pass.

**Touch Screen Control Panel;** it provides an easy possibility to adjust the control of the machine according to the request such as the amount of pass which will be removed from the surface of the cot, the running speed, the rotation of tailstock, the time of grinding of the stone.

**Invertor Controlled Tailstock, Counter System;** it provides an easy determination of the running speed and tailstock rotation which is required for obtaining the desired cot surface smoothness (Ra) depending on the cot hardness and the yarn count.

**PLC Automation System;** it provides a possibility of personalization of all working adjustments.

**Start-Stop System;** the grinding stone stops while the operator places the cot. The stone starts to rotate after pushing the start button. It provides a work safety and power saving.

**Low Electricity Consumption;** it provides an economical working possibility.



Height	Width	Depth	Weight
1.400 mm	850 mm	1.370 mm	720 kg

## MACHINE RUNNING PERFORMANCE INFORMATIONS

### Cot Grinding Capacity:

45 x 65 x 34 mm (Barmag Cot) 275 pieces/hour

### The Precision of Grinding and Surface Roughness:

0,02 - 0,5 < Ra

## WORKING LIMITS

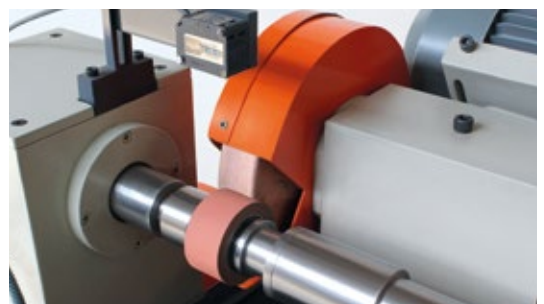
Minimum Grinding Diameter: 20 mm.

Maximum Grinding Diameter: 100 mm.

Maximum Length of the Piece to be ground: 600 mm.

## MACHINE TECHNICAL INFORMATIONS

- Diameter measurement by laser.
- Invertor controlled tailstock motor.
- Invertor controlled linear sliding cradle system.
- Grinding stone motor.
- Touch screen panel HMI 7 inch.
- PLC automation systems.
- Servo controlled cot diameter defining.
- The advanced grinding stone for cot grinding.
- Dust suction cyclone, cot keeping and stone grinding adapters.



# 201- M

## Cot Grinding Machine

(Manual)



Height	Width	Depth	Weight
1.400 mm	850 mm	1.370 mm	720 kg

### MACHINE TECHNICAL INFORMATION

- Inverter controlled 1,1 kW tailstock motor.
- Inverter controlled linear sliding cradle system, 0,75 kW.
- Grinding stone motor 2.2 kW.
- Touch screen panel HMI 7 inches
- PLC automation systems DELTA
- Grinding stone modified for cot grinding.
- Dust suction cyclone and cot shaft holding adapters..

### MACHINE RUNNING PERFORMANCE INFORMATION

#### Cot grinding capacity:

19 x 32 x 29 mm 360 pieces/hour

19 x 51 x 32 mm 160 pieces/hour

#### The precision of grinding and surface roughness:

0,02 - 0,5 < Ra

### WORKING LIMITS

Minimum Grinding Diameter: 20 mm.

Maximum Grinding Diameter: 100 mm.

Maximum Length of the Piece to be ground: 600 mm.

It provides a facility to grind all kind of cots; (Ring&Roving&Draw Frame, Comber, Texturing, Open-End, Finisher, Drafting Rollers).

Easy operation settings and choosing language through touch screen control panel.

Linear sliding cradle system eases tailstock adjustment without taper.

Superior cot surface smoothness by means of inverter controlled tailstock and counter.

Personalized program facility through PLC automation system.

The setting of the touching time of stone on cot provides cot surface brightness.

Dimensional precision by means of digitally controlled grinding depth.

Easy operation in cot and grinding technology through long time experience.

Low energy consumption 2,9 kW.





# COT MOUNTING PRESSES

## Manual Cot Mounting Press

(Cots for ring frame, roving frame and open end spinning machine)



Height
650 mm
Width
370 mm
Depth
280 mm
Weight
40 kg

It is used for mounting of ring spinning, roving and open-end spinning cots to shaft. It provides an economic solution. It provides a controlled process through cot centering pin. It is provided with suitable dismounting and mounting adapters which suit to your cot roller.

## Pneumatic Cot Mounting Press

(Cots for ring frame, roving frame and open end spinning machine)



Height
910 mm
Width
300 mm
Depth
450 mm
Weight
38 kg

Mounting of roving and ring spinning cots on the rollers are done by means of a pneumatic cot mounting press. Cot centering pin provides a controlled and safe using possibility together with progress speed limiters. It is provided together with dismounting and mounting adapters.



Cots Type

## Hydraulic Cot Mounting Press

(Draw Frame)

It is used for dismounting and mounting of draw frame, combing machine and lab cots. A controlled mounting process is achieved in speed with a constant acceleration by means of a hydraulic system. It is provided with suitable dismounting and mounting adapters which suit to your roller dimensions.



Height	Width	Depth	Weight
1.000 mm	1.700 mm	360 mm	215 kg



all **new**, all **successful!**...



*"You Can Use Them With Confidence"*

"TRUST IS ALWAYS EARNED... NEVER GIVEN"



**asteks®**

KAUÇUK VE PLASTİK SAN. TİC. A.Ş.

[www.asteks.com](http://www.asteks.com)



Made in TURKEY

since  
**1970**







# asteks®

KAUÇUK VE PLASTİK SAN. TİC. A.Ş.

Yakuplu Mahallesi, Hürriyet Bulvarı No: 2 34524, Beylikdüzü, İstanbul / TÜRKİYE

Phone.: +90.212 875 11 00 Pbx Fax: +90.212 875 11 06

[www.asteks.com](http://www.asteks.com) [info@asteks.com](mailto:info@asteks.com)