CHUNG PU

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Automatic Bar Feeders

www.chungpu.com CHUNG PU

Country of sale

- Japan
- China
- Malaysia
- Australia
- Turkey
- Russia
- South Africa
- Germany
- Romania
- United States

Company Profile

Established in 1988, Chung Pu Company was mainly engaged in the manufacturing of wire-cut dies, laser cutting for sheet metal, and precision parts machining by CNC equipment. Until today, we have 32 years of experience in high quality products manufacturing. In 2007, in response to customer demands and market trends, we set up the Chung Pu brand for automatic bar feeders. We designed and manufactured a wide range of bar feeders, including short bar feeders and hydrodynamic bar feeders. Chung Pu bar feeders integrate many patented technologies and have been CE certified. With our outstanding customized design and manufacturing capabilities, we are able to offer customers special-purpose bar feeders that can be combined with various machining equipment. This can help customers introduce Industry 4.0 automated production, which has been fully recognized by customers.

CF-80

- A servo-drive bar feeder.
- Range of feed diameter Ø6~Ø80 mm.
- Feed length 1500 mm.
- Suitable for various fixed headstock CNC lathes.
- High stability, low noise and high efficiency.
- High feeding accuracy. Turret colliding prevention function.
- Applicable for high speed CNC lathes.
- With touch screen.

Machine Specifications

Item	Unit	CF-80
Range of bar diameter	mm	Ø6~Ø80
Max. bar length	mm	1500
Magazine capacity	mm	Ø10 (58 pcs)
Power supply	-	220V
Feed drive	-	AC servo motor
Controller & operation interface	-	PLC control & HMI touch panel
Machine weight	kg	500
Machine length	mm	2300
Machine height	mm	1240~1520
Height of spindle	mm	920~1200
Machine width	mm	1200

Design and specifications are subject to change without prior notice.

Servo Drive Bar Feeder

CF-65LS
CF-65MS

- A servo-drive bar feeder.
- Range of feed diameter Ø5~Ø65 mm.
- Feed length CF-65LS 1500 mm.
  CF-65MS 1200 mm.
- Suitable for various fixed headstock CNC lathes.
- High efficiency, high stability and low noise.
- High feeding accuracy. Turret colliding prevention function.
- Applicable for high speed CNC lathes.
- With touch screen.

Machine Specifications

Item	Unit	CF-65LS/CF-65MS
Range of bar diameter	mm	Ø5~Ø65
Max. bar length	mm	1500 / 1200
Magazine capacity	mm	Ø10 (61 pcs)
Power supply	-	220V
Feed drive	-	AC servo motor
Controller & operation interface	-	PLC control & HMI touch panel
Machine weight	kg	330 / 290
Machine length	mm	1990 / 1700
Machine height	mm	1050~1350
Height of spindle	mm	900~1200
Machine width	mm	1090

Design and specifications are subject to change without prior notice.

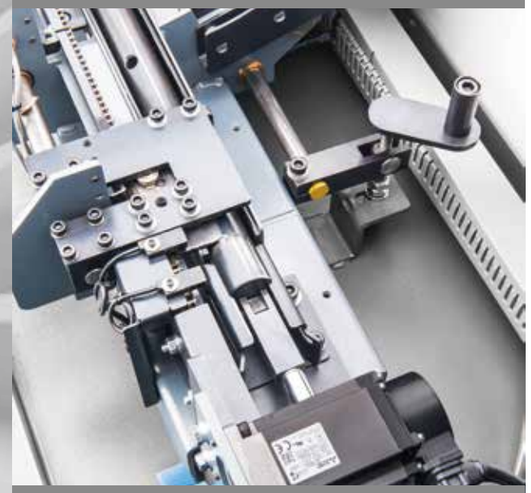
Hydrodynamic Bar Feeder

UF-326

- A servo-drive bar feeder.
- Range of feed diameter Ø3~Ø26 mm.
- Feed length 1000~3200 mm.
- Equipped with a synchronization device to suit sliding headstock or fixed headstock CNC lathe.
- High stability, high speed, low noise and high efficiency.
- Highly rigid one-piece fabricated machine body features maximum durability and stability.
- Quick and convenient to replace and dismantle the bar channel.
- Roller type anti-vibration device can be adjusted according to bar sizes, that helps to lower consumables cost.
- With touch screen.

Clamp In/Out Mechanism

- The specially designed mechanical structure ensures stable and smooth bar clamp in/out motions.



Handwheel Rotation Type

- For bar diameter adjustment.

Machine Specifications

Item	Unit	UF-326
Range of bar diameter	mm	Ø3~Ø26
Max. bar length	mm	1000~3200
Magazine capacity	mm	Ø10 (22 pcs)
Power supply	-	220V
Feed drive	-	AC servo motor
Controller & operation interface	-	PLC control & HMI touch panel
Machine weight	kg	550
Machine length	mm	3950
Machine height	mm	1000~1300
Height of spindle	mm	850~1150
Machine width	mm	620

Design and specifications are subject to change without prior notice.

Hydrodynamic Bar Feeder

UF-432

- A servo-drive bar feeder.
- Range of feed diameter Ø4~Ø32 mm.
- Feed length 1000~3200 mm.
- Equipped with a synchronization device to suit sliding headstock or fixed headstock CNC lathe.
- High stability, high speed, low noise and high efficiency.
- Highly rigid one-piece fabricated machine body features maximum durability and stability.
- Quick and convenient to replace and dismantle the bar channel.
- Roller type anti-vibration device can be adjusted according to bar sizes, that helps to lower consumables cost.
- With touch screen.

Clamp In/Out Mechanism

- The specially designed mechanical structure ensures stable and smooth bar clamp in/out motions.

Handwheel Rotation Type

- For bar diameter adjustment.

Machine Specifications

Item	Unit	UF-432
Range of bar diameter	mm	Ø4~Ø32
Max. bar length	mm	1000~3200
Magazine capacity	mm	Ø10 (21 pcs)
Power supply	-	220V
Feed drive	-	AC servo motor
Controller & operation interface	-	PLC control & HMI touch panel
Machine weight	kg	580
Machine length	mm	3950
Machine height	mm	1000~1300
Height of spindle	mm	850mm~1150
Machine width	mm	660

Design and specifications are subject to change without prior notice.

Hydrodynamic Bar Feeder

UF-438

- Servo Motor Bar Feeder.
- Range of feed diameter 4~38mm.
- Feed length 1000~3200mm.
- Optional synchronization device to suit sliding headstock or fixed headstock CNC lathe.
- High stability, high speed, low noise, high efficiency.
- High rigid fabricated machine body features durability and stability.
- Quickly and convenient to replace the bar channel.
- Roller type anti-vibration device can be adjusted according to bar size, that helps to lower consumables cost.
- HIMI touch screen.

Anti-Vibration System
- The roller type anti-vibration device can be adjusted according to bar sizes, helping to lower consumable parts cost.

Transmission System
- The use of Mitsubishi medium inertia servomotor ensures smooth running.

Machine Specifications

Item	Unit	UF-438
Range of bar diameter	mm	Ø4~Ø38
Max. bar length	mm	1000~3200
Magazine capacity	mm	10*32 pcs
Power supply	-	220V
Feed drive	-	AC servo motor
Controller & operation interface	-	PLC control & HIMI touch screen
Machine weight	kg	730
Machine length	mm	4010
Machine height	mm	1050~1350
Height of spindle	mm	870~1170
Machine width	mm	710

Design and specifications are subject to change without prior notice.

Hydrodynamic Bar Feeder

UF-542

- A servo-drive bar feeder.
- Range of feed diameter Ø5~Ø42 mm.
- Feed length 1000~3200 mm.
- Suitable for fixed headstock CNC lathes.
- Equipped with buffering unloading device to increase stability.
- High stability, high speed, low noise and high efficiency.
- Highly rigid one-piece fabricated machine body features maximum durability and stability.
- Quick and convenient to replace and dismantle the bar channel.
- Push pull type bar diameter adjustment device allows for quickly adjusting material sizes.
- With touch screen.

External plug-in motor
- Reduce noise and easy maintenance.

Linked adjustment of material size

Machine Specifications

Item	Unit	UF-542
Range of bar diameter	mm	Ø5~Ø42
Max. bar length	mm	1000~3200
Magazine capacity	mm	Ø10 (27 pcs)
Power supply	-	220V
Feed drive	-	AC servo motor
Controller & operation interface	-	PLC control & HMI touch panel
Machine weight	kg	850
Machine length	mm	4175
Machine height	mm	1225~1455
Height of spindle	mm	970~1200
Machine width	mm	780

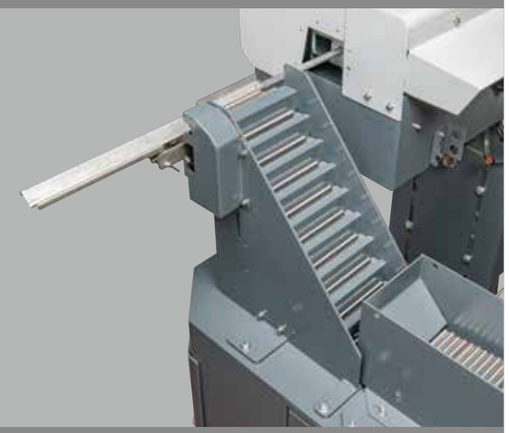
Design and specifications are subject to change without prior notice.

Dual-purpose Machine

CF65D

- A highly cost-effective feeding machine with dual-purpose machine.
- Convertible between dedicated or standard mode for feeding.
- Design the length and space of stockpiling areas according to the length of the material. (within 200mm)
- Mode switching is fast, and the program does not need to be modified or removed.
- Programs can adjust parameters based on customer requirements.
- Dedicated model can choose to front or rear feed.
- Servo feeding, high stability, high efficiency, low noise.
- The loading and feeding mechanism is stable, no waiting time, can improve machining efficiency.

Separate-type short material feeding mechanism



Integrated-type short material feeding mechanism

Machine Specifications

Item	Unit	CF-65D
Range of bar diameter	mm	Ø5~Ø65
Max. bar length	mm	200~1500
Magazine capacity	mm	Ø10 (61 pcs)
Power supply	-	220V
Feed drive	-	AC servo motor
Controller & operation interface	-	PLC control & HMI touch panel
Machine weight	kg	380
Machine length	mm	1990 / 1700
Machine height	mm	1050~1350
Height of spindle	mm	900~1200
Machine width	mm	1090

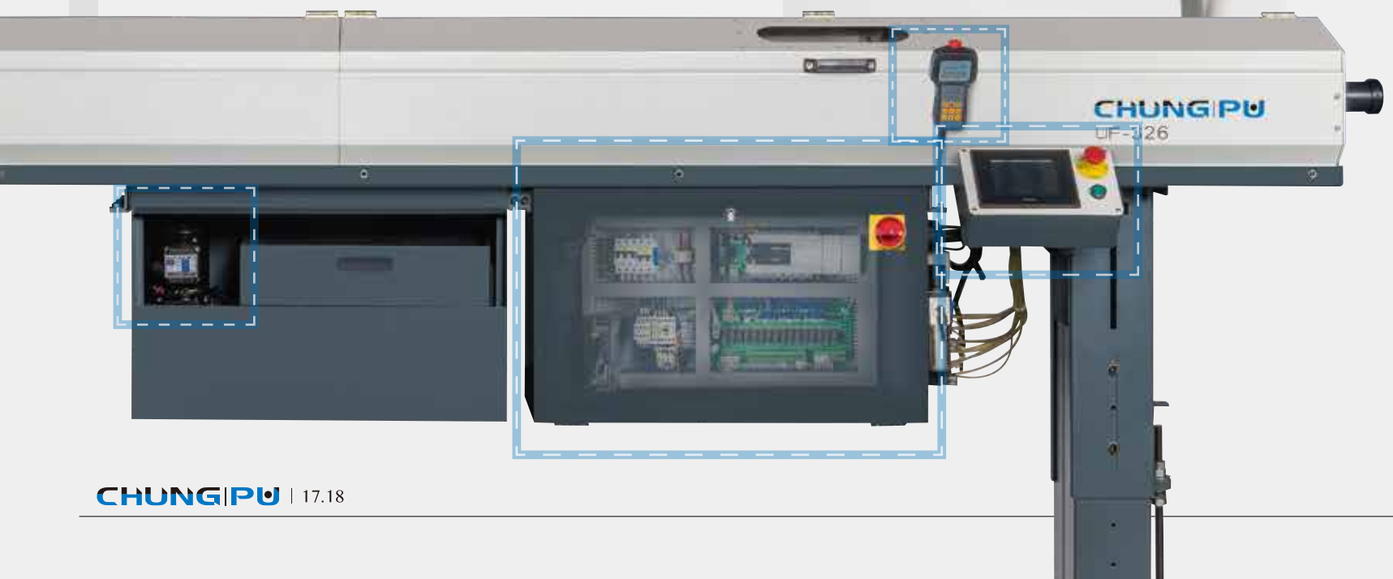
Design and specifications are subject to change without prior notice.

User-Friendly HMI Control

- Touch screen operation interface.
- LCD display and malfunction alarm.
- Humanized operation control. Easy to set and operate.

Hand-Held Control Box

- The hand-held control box allows operator to move to a proper position for operating the bar feeder.



Bar Feed Driven by Servo Motor

- Bar feed is driven by Mitsubishi AC servo motor.
- Fast feed, smooth motions and high positioning accuracy of bar.

Powerful Oil Discharge Pump

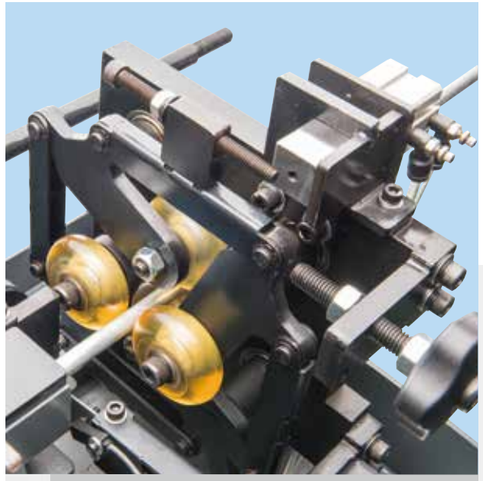
- The pump delivers oil to the bar channel to form an oil film that surrounds bar.

Well-Planned Control Circuit

- The bar feeder utilizes Mitsubishi PLC controller, enabling the entire motions to be operated smoothly.
- The bar feeder can be used together with any CNC lathe.
- The control system consists of high quality electronic components that ensure maximum stability of control performance and long service life.

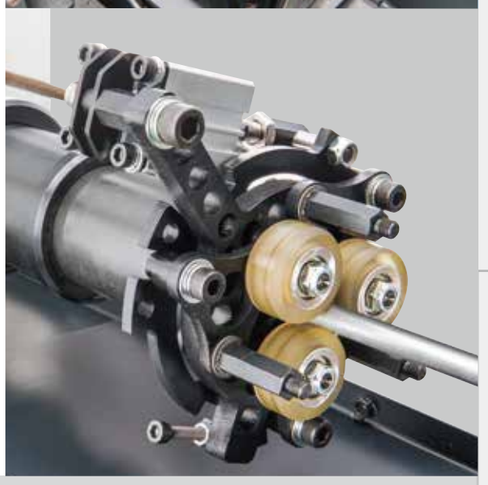
Internal Anti-Vibration Clamping Mechanism

- The internal anti-vibration clamping mechanism is installed on the bar feeder, which may effectively prevent bars from vibration while ensuring machining accuracy.
- The wheel type anti-vibration device can be adjusted to suit bar sizes.
- No need to replace anti-vibration block for saving part replacement cost.



External Anti-Vibration Clamping Device (Option)

- The external anti-vibration clamping device is installed on the lathe, which may effectively prevent bars from vibration while ensuring machining accuracy.
- The wheel type anti-vibration device can be adjusted to suit bar sizes.
- No need to replace anti-vibration block for saving part replacement cost.



Bar Channel Replacement

- Bar channel is easy and fast to replace. Various sizes of bar channels are available to suit customer's work piece sizes.
- Stable material feed motions with low noise.

Moving Rails (Option)

- The moving rails are mounted with two linear guide ways, allowing the bar feeder to be moved effortlessly.
- Moving the bar feeder away, it is more convenient to conduct maintenance on the spindle and replace belt on the lathe.

Easy To Fold and Release Bar Stand

- The specially designed bar stand is quick to fold and release. In case the bar stand is not in use, it can be stored at the back of the bar feeder without occupying any space.

Bar Stand Folded

- When the bar stand is not in use, it can be folded and placed at the back of the bar feed without occupying any space.

Bar Stand in Use

- The bar stand is quick to release for use.

Install the instance

Utomation allows machines to perform tasks, reducing the need for human labor and increasing productivity.
Save energy by optimizing production processes and reducing waste. By automating tasks and optimizing machine utilization, energy consumption can be minimized, reducing energy costs and reducing environmental impact.