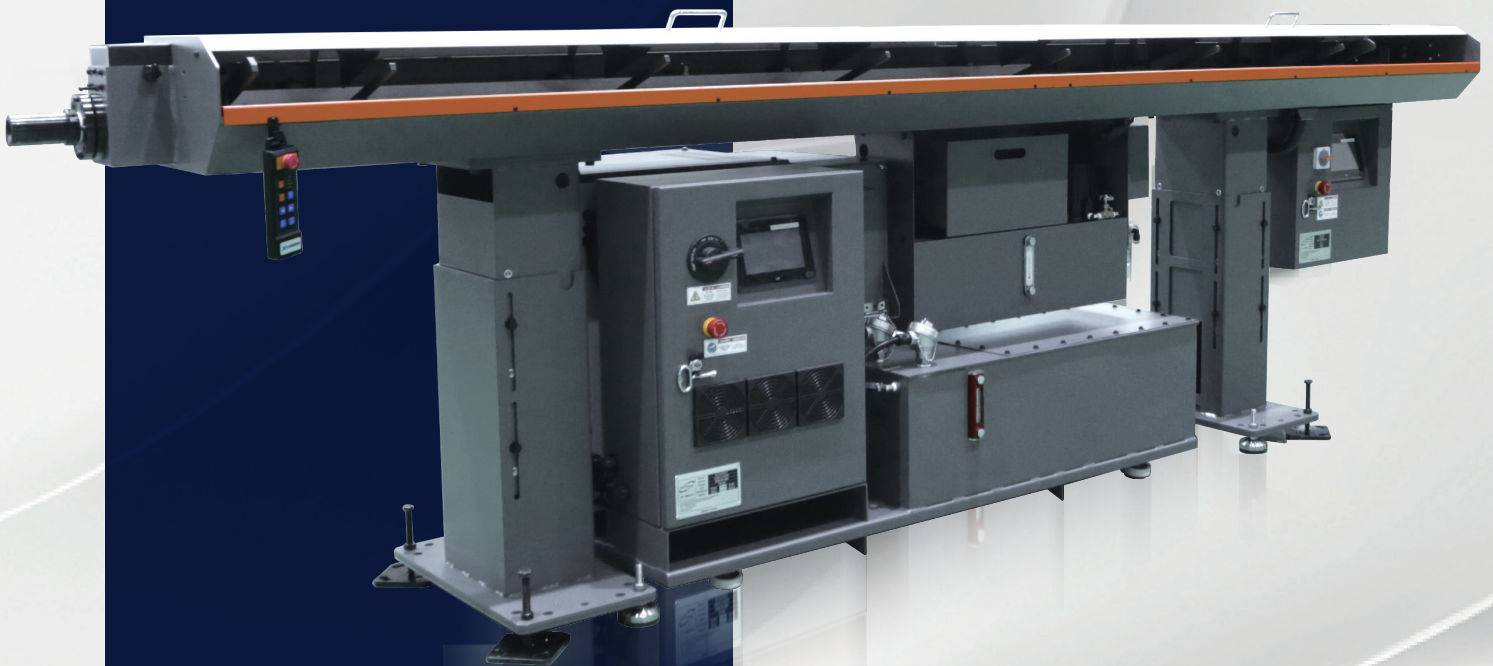


# X-Loader 326 XH-Series XT-Series

BAR FEEDER  
HIGH PRESSURE UNIT  
STONE HOLDER

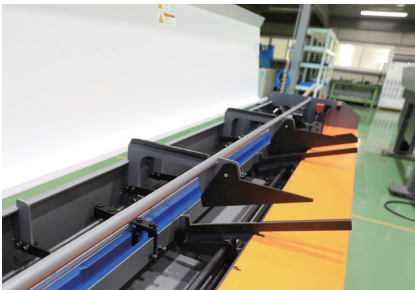


# X-Loader 326

| BAR FEEDER |

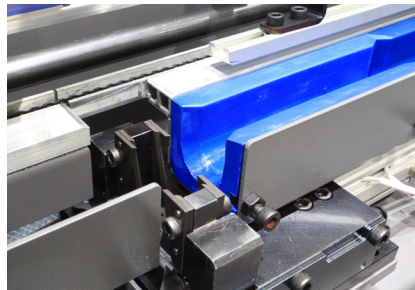
\* The X-Loader 326 is an Automatic Magazine-style BAR Feeder designed to feed round and hexagonal bar to CNC lathes.

## Features



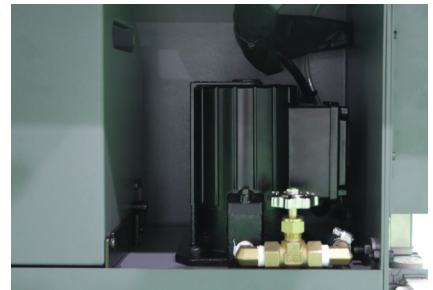
### Magazine

- Easy bar size change



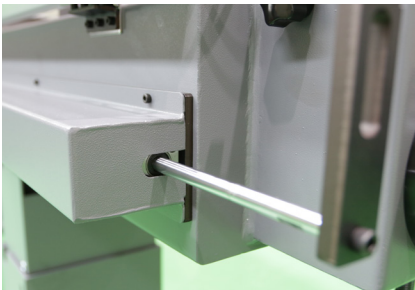
### Vice

- Only blades are replaceable
- Application of remnant ejection detect sensor



### Supply Pump

- The flow rate supplied to the guide channel can be adjusted



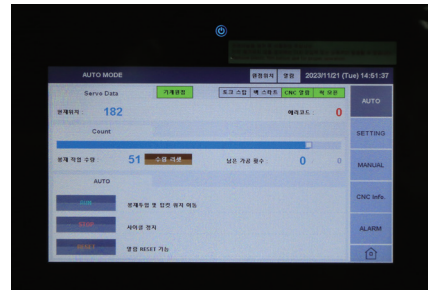
### Synchronization Device

- Improved rigidity of connecting link by applying ball bushing



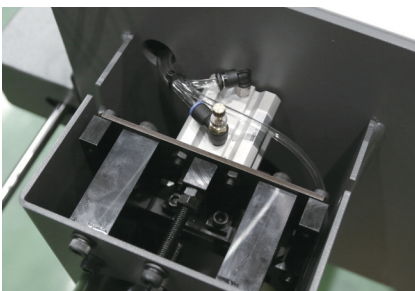
### Remote Controller

- Slim and comfortable design to be hold
- Built-in magnet on the rear



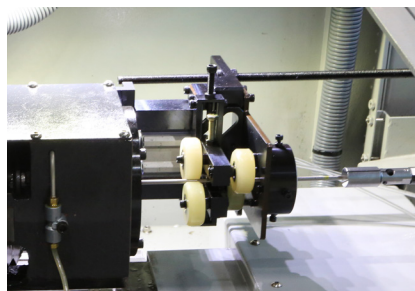
### Operator Panel Display

- Application of HMI touch panel (7") that improves workability and visibility



### Anti-Vibration Devices

- Improves product quality by suppressing vibration
- Anti-vibration devices are applied on both ends of bar feeder and the lathe spindle, so the bar can be stabilized even during high-speed rotation
- It is easy to adjust roller distance when changing bar sizes





- \* DIAMETER RANGE 3mm ~ 20mm (Max. 26mm)
- \* BAR LENGTH 1,000mm ~ 3,200mm

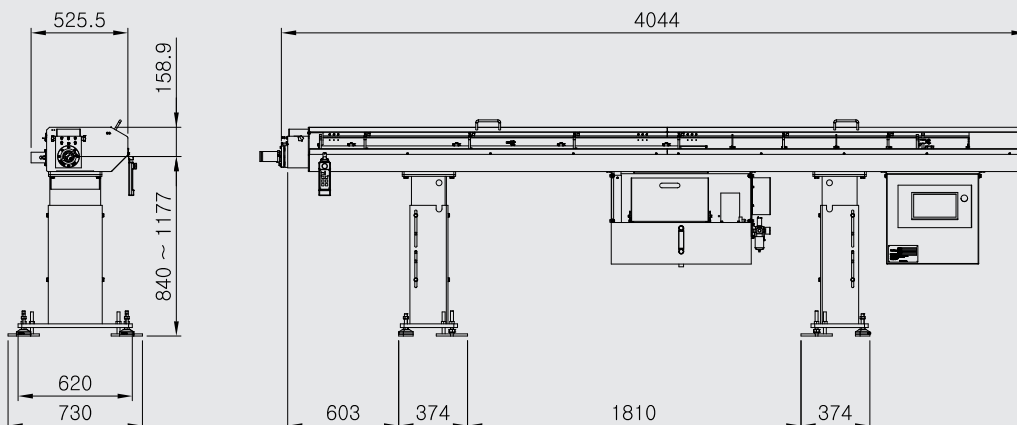
## Specification

Spec.	unit	X-LOADER326
Diameter	mm	3 ~ 26
Wight	Kg	460
Device Length	mm	4,044
Device Width	mm	620
Magazine Length	mm	280(Φ5 × 56ea)
Bar Length	mm	Max. 3,200
Remnant Length	mm	Max. 400
Hydraulic Oil Volume	liter	27
Air Pressure	Bar	5~7
Power Supply	V	3Ph 220VAC

## Guiding Channel Selection Chart

Channel(mm)	Pusher(mm)	Bar stock(mm)
11	10	3 ~ 10
21	20	4 ~ 20
28	27	15 ~ 26

## Dimension



## Option



### Additional Loading Device

- With a simple structure, the loading capacity of bar material can be increased by installing an Additional Loading Device

## Remote Support Service



- Online remote service provision
- Free program updates

# XH-Series

| HIGH PRESSURE UNIT (HPU) |

\* The XH-Series is a pump unit that shoot cutting oil with high pressure in the machining area

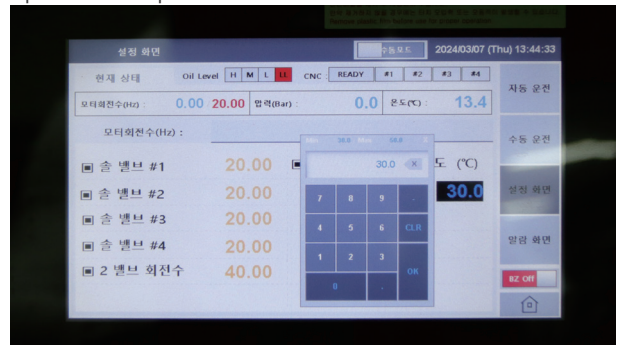
## Features



- Removal of remaining chips from machining parts by high-pressure cutting oil and cooling of heating parts by cutting friction
- Extend tool life by up to 50% and increase cutting speed by 20%

### Inverter applied

- Minimize flow loss by setting an optimized oil supply amount suitable for nozzle size, quantity, and working conditions (Adjustable motor rotation speed)
- Energy saving through the coolant temperature increase rate and power consumption decrease due to reduced flow loss.



### Operator Panel Display

- Application of HMI touch panel (7") that improves workability and visibility.
- Convenient setting of motor rotation speed, cooler on/off temperature
- You can intuitively set the rotation speed on the manual mode screen by visual checking of nozzle status for each motor rotation speed.



### Chiller United Model

- Model combining a high-pressure unit with an inverter and Chiller
- Working condition requires to maintain the certain temperature (25°C ~ 35 °C)



### Remote Support Service

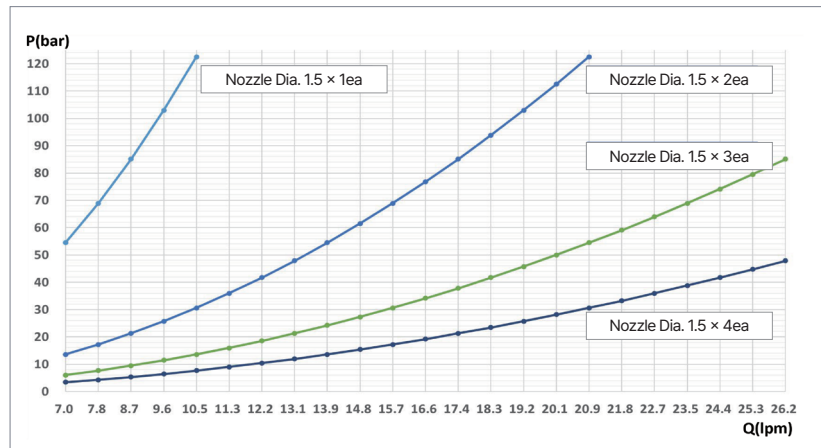
- Online remote service provision
- Free program updates



## Specification

Spec.	Unit	Model			
		XH7025	XH12025	XH12025-INV	XH12025-INV-C
Classification	-	Normal type		Apply Inverter	Apply Inverter & Chiller
Flow rate	liter/min	25		8 ~ 25	
Operating Pressure	Bar	70	120	120	120
Power Supply	HP (kW)	5.0 (3.7)	7.5 (5.5)	7.5 (5.5)	10 (7.5)
	V	3Ph 220VAC			
Reservoir volume	liter	150			100
Size	mm (DxWxH)	635 × 1140 × 898			830 × 1660 × 890
Weight	Kg	217	241	248	350
Option		Supply pump is optional			
Cooling Performance (Only XHPU-12025-INV-C Model)	Cooling capacity (@60Hz)				2,800 kcal/hr
	Refrigerant				R-22 / R-410
	Compressor				1 Hp (0.75 kW)
	Supply Pump				30 lpm
	Temperature Range				25 ~ 35° C

Pressure vs Flow rate	
P(bar)	V(m/sec)
10	28
20	40
30	59
40	56
50	63
60	69
70	74
80	79
90	84
100	90
110	94
120	99



P-Q curve  
(1.5mm Nozzle Dia.)>

## Model line-up



Standard type



Inverter type



Inverter & Chiller Integrated type

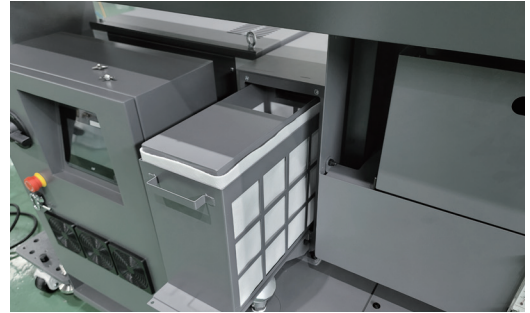
# X-Loader 326 & XH-Series Package

| BAR FEEDER & HPU Package |



## Features

- Installing the HPU below the bar feeder minimizes the equipment's space occupancy.
- You can check the bar feeder and HPU status at the same time on the front of the equipment.
- The chiller integration package allows convenient filter replacement from the front of the machine.



## X-Loader 326 + HPU Package



## X-Loader 326 + Chiller Integrated HPU Package



# XT-Series

| STONE HOLDER Special tooling |



\* The XT-Series stone holder improves significantly the surface roughness of the inner and outer diameters of products.

## Features

- By installing it on the tool post and performing the super finishing process, you can produce super finished products without additional process.
- By using pneumatic pressure Continuous machining is possible by applying preload to the grindstone (No dressing device required)



## Comparison before and after using the stone holder

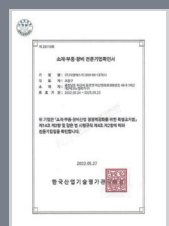
External machining		Internal machining	
Before	After	Before	After
Ra 2.2(μm)	Ra 0.08~0.1(μm)	Ra 4.2(μm)	Ra 0.13(μm)

## Specification

- Stone size (mm) : 5 x 5.5
- Rotation range (rpm) : 1,000 ~ 3,000
- Outer dia. range(mm) : Φ6 ~ Φ32
- Air Pressure(bar) : 1.5 ~ 3.0
- Inner dia. range(mm) : Φ10 ~ Φ30
- Surface roughness(μm) : Max. Ra 0.15

## Model line-up

- #16 for Outer dia. : XT-O-16-5x5.5
- #12 for Outer dia. : XT-O-12-5x5.5
- # 16 for Inner dia. : XT-I-16-5x5.5
- # 12 for Inner dia. : XT-I-12-5x5.5



**All products of DYSG are  
designed and Manufactured in Korea**



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\* To improve quality, product specifications may change without prior notice.