STC Bar Feeding Systems

80

Super

110

The Super80 / Super110 is a full servo-driven Barfeed eliminating the need for compressed air

Unrivalled performance and accuracy, with a user friendly set-up, providing the solution for increased productivity from your machine tool

Super 80 Standard Features

- Complete servo control on all axis
- 100 part programme storage
- Precision ground servo-driven ball screw
- Standard bar diameter range 5 to 80mm
- Bar position accuracy to 0.1mm
- Bar length measurement
- Random bar lengths accepted
- Barfeed or shaft load
- Push-rod backstop facility
- Quick and easy set up
- User friendly HMI screen
- CE Specification

Bar Loading mechanism

Bars are 'soft' loaded from the storage magazine onto rollers, providing minimum friction and the ability to load bars of an irregular shape or rough surface finish.

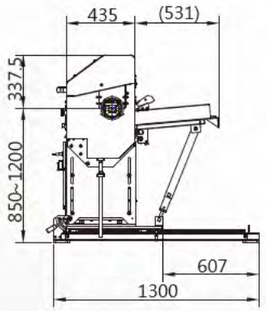
Operator HMI screen

All values are entered using the HMI screen. The production information is stored, so changeover times are simply a case of entering alternative bar diameters.

Precision ground servo-driven ball screw

Accuracy of bar positioning is achieved by the use of a precision ground ball screw

The robust quality of both ball screw and gearbox provide reliable, accurate barfeeding to the machine tool

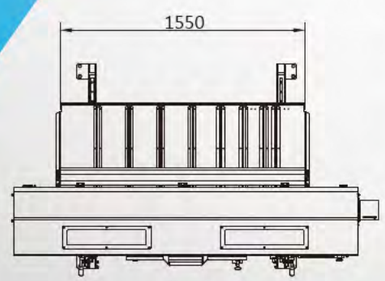


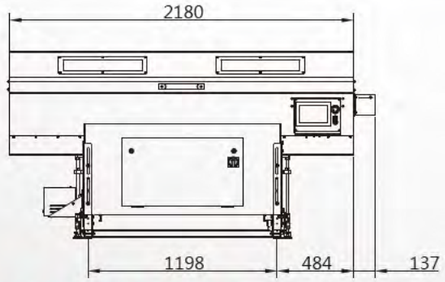
Operator HMI screen

Operator enters work piece details in a fast and simple method resulting in minimum changeover time between jobs

Internal light

Giving increased visibility during set-up





GENERAL DIMENSIONS

All dimensions shown are in millimetres

Super 110 Standard Features

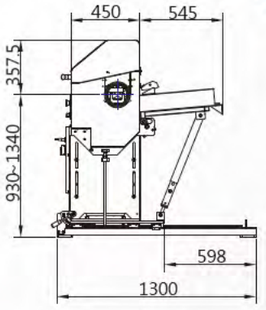
- Complete servo control on all axis
- 100 part programme storage
- Precision ground servo-driven ball screw
- Standard bar diameter range 9 to 110mm
- Bar position accuracy to 0.1mm
- Bar length measurement
- Random bar lengths accepted
- Barfeed or shaft load
- Push-rod backstop facility
- Quick and easy set up
- User friendly HMI screen
- CE Certified

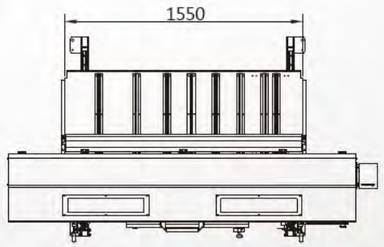
Bar Storage magazine

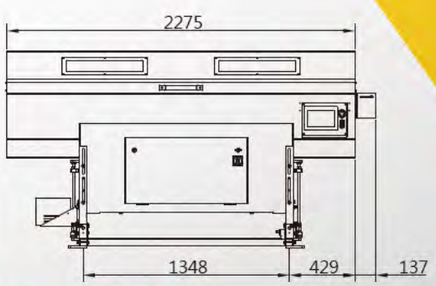
Standard depth of 0.6 meters with simple gradient adjustment.
This can be fitted to either front or rear of Barfeed.

Floor mounted sliding rails

The Super80 / Super110 is fixed to floor mounted sliding rails. Once it has been moved from the home position the machine tool can be accessed safely.







GENERAL DIMENSIONS

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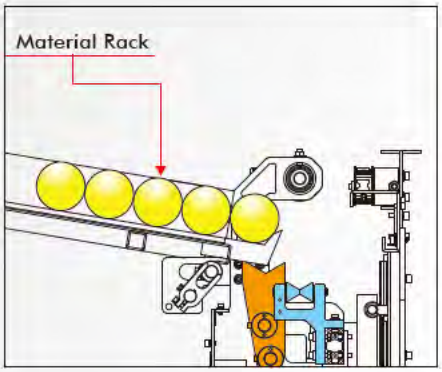
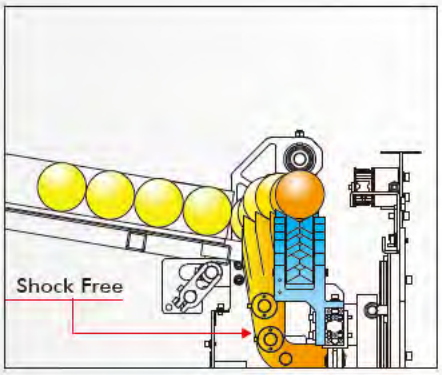
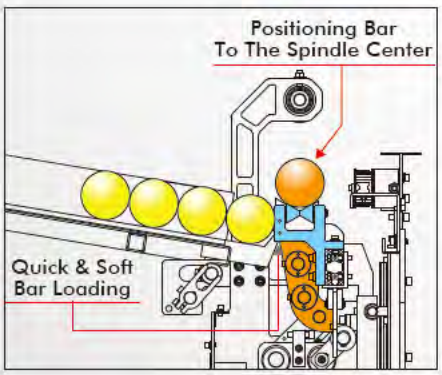
ECONOMY
EFFICIENCY
QUALITY
RELIABILITY







Short Magazine Servo Barfeed

SUPER 80 Specifications

BAR DIAMETER	Round Bar	Ø 6 - 80 mm
	Hexagon Bar	6 - 70 mm
BAR LENGTH	Max:	1530 mm (1230* mm)
BAR WEIGHT	Max:	70 Kg
OPERATION	Bar Feeding	Servo Drive
		Guide Way Supported Belt Drive
	Bar Loading	Geared Motor
ACCURACY	First Infeed	± 0.5 mm
	Feeding	± 0.1 mm
PUSHERS	Standard (3)	Ø 6 - 13 - 18 mm
OPERATION PANEL	Touch Screen Panel	

Short Magazine Servo Barfeed

SUPER 110 Specifications

BAR DIAMETER	Round Bar	Ø 9 - 110 mm
	Hexagon Bar	7.8 - 95 mm
BAR LENGTH	Max:	1530 mm (1230* mm)
BAR WEIGHT	Max:	110 Kg
OPERATION	Bar Feeding	Servo Drive
		Guide Way Supported Belt Drive
	Bar Loading	Geared Motor
ACCURACY	First Infeed	± 0.5 mm
	Feeding	± 0.1 mm
PUSHERS	Standard (3)	Ø 13 - 18 - 25 mm
OPERATION PANEL	Touch Screen Panel	

STC MACHINERY CO., LTD
2F, No336 Fusing 1st Rd. Gueishan Dist. Taoyuang City 33375 Taiwan R.O.C
Tel: +886-3-3180900
Fax: +886-3-3180901
Email: stc.info@stc-machinery.com
Web: www.stc-machinery.com