

Throughfeed Drilling Machine with Servo Driven NDC532



(photo above is NDC642)

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Description

- The Machine with 10 boring rows is recommended to use for mass production even with frequent adjustments of boring hole patterns from time to time by furniture companies. Machine can also be set in production line.
- Movement of vertical drilling rows is easy, fast and precise by servo motor corresponding to rack and pinion.
- New and previous data processed can be saved in the filing system within the machine.

Details

1. Machine body

- Heavy duty machine body is welded with thick laser-cut steel plates, then through processing of advanced CNC machine for metal work, hence enhance the stability and strength, reduce the vibration in the process; Machine net weight up to **6700kg- very heavy duty**;



- Frame body pass the **heat treatment** and **vibration aging** treatment to guarantees the whole service life without deforming.



- After **sandblasting** and **painting**, the top-grade CNC metal processing machines are used to process the body and components to make sure perfect quality and detail.



2. Auto feed-in and feed-out

- Auto feeding-in with 3 sections for better control of panel running on zone and hence reducing waiting time, max feeding speed of **80 m/min.**,
 - Feed-in area
 - Working area
 - Feed-out area
- Synchronous feeding with power motor.



3. Automatic positioning on working area

- Limit switches in front.
- Rear positioning by servo motor and ball screw, coupled with front limit switches assures the panel stop at right position for max boring precision and positioning speed. Much faster than manual positioning provides more efficiency.



4. Top presser

- 5*2 pcs top pressers, the height is easy to adjust based on different panel thickness so as to save downward pressing time. Fall down automatically in the process to press the work piece improves the boring accuracy.



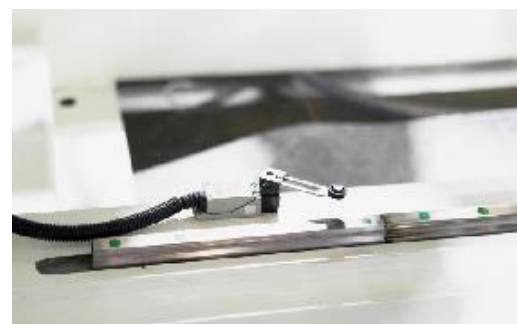
5. Drilling rows

- Two independent boring blocks in row, each can rotate within 90°; the minimum distance between each of two rows is 128mm
- Two horizontal rows on both sides and 5 rows on bottom ($11*2*5=110$) as well as 3 rows on top ($11*2*3=66$). 10 rows meet most production requirements.
- Boring block with specification of 1.5kw 2750rpm



6. Movement of drilling rows

- Each vertical row and its positioning are controlled by servo motor (0.75kw) with touch screen to instruct where rows are to be set without manual work.
- Movement by rack and pinion plus stiff long guiding rail provides higher stability and accuracy.



7. Quick release and fix

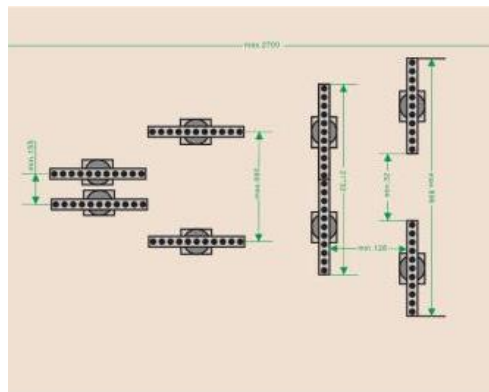
- Pneumatic locking device applied at vertical rows, for adjusting or changing of drilling block much faster and precise.

- Drilling blocks with this flexibility can make different boring hole pattern easy, fast and precise.



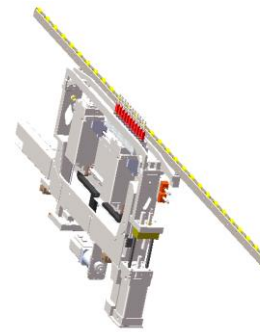
8. Processing data

- Max space of two horizontal drills: 640mm
- Max space of two vertical drills: 885mm
- Min space of two vertical drills: 128mm
- The height of working area: 965-1010mm



9. Feeding assistant

- The feeding assistant support put in between guarantees the fixation of the wide work pieces during the boring work.



10. Drag chains

- High-quality drag chains on each rows protect electric wire and air tube of drilling rows during moving and keep electric wire and air tube in order.



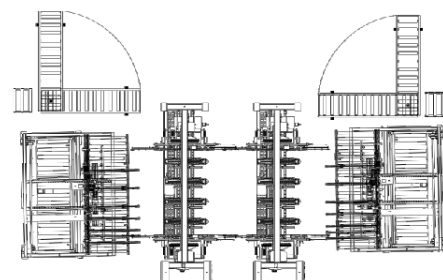
11. Safety device

- Machine could stop at once while pulling the emergency string; prevent any possible hurt on operator in the process.



12. Forming in production line

- Perfectly it can be fitted in production line with double sided edge banding machine or CNC machine, besides it works perfectly by itself and links with another automatic multi-rows boring machine.



13. PC Control

- Give the machine added operation convenience and intelligence. Drilling rows could move to the right position automatically based on the holes position drawings made through the IPC.

- Perfectly linked with production line with a bar-code reader. Easy and efficient.



Technical Data
NDC532

Max panel width:	2,550mm
Min. panel width:	250mm
Max. panel thickness	50mm
Upper drilling rows qty.	3
Lower drilling rows qty.	5
Horizontal drilling rows qty	2
Boring block power	1.5kw 2750rpm
Spacing of drills	32mm
Max. vertical drilling depth	50mm
Max. horizontal drilling depth	40mm
Servo motor qty	11
Servo motor power	0.75kw
Total power:	40kw
Approx. weight:	6,700kg
Overall dimension:	5,540*3,660*2,200 mm

**Thanks for the attention!*

The company continuous to improve the product specifications and design details, the specifications are subject to change without notice. 200408