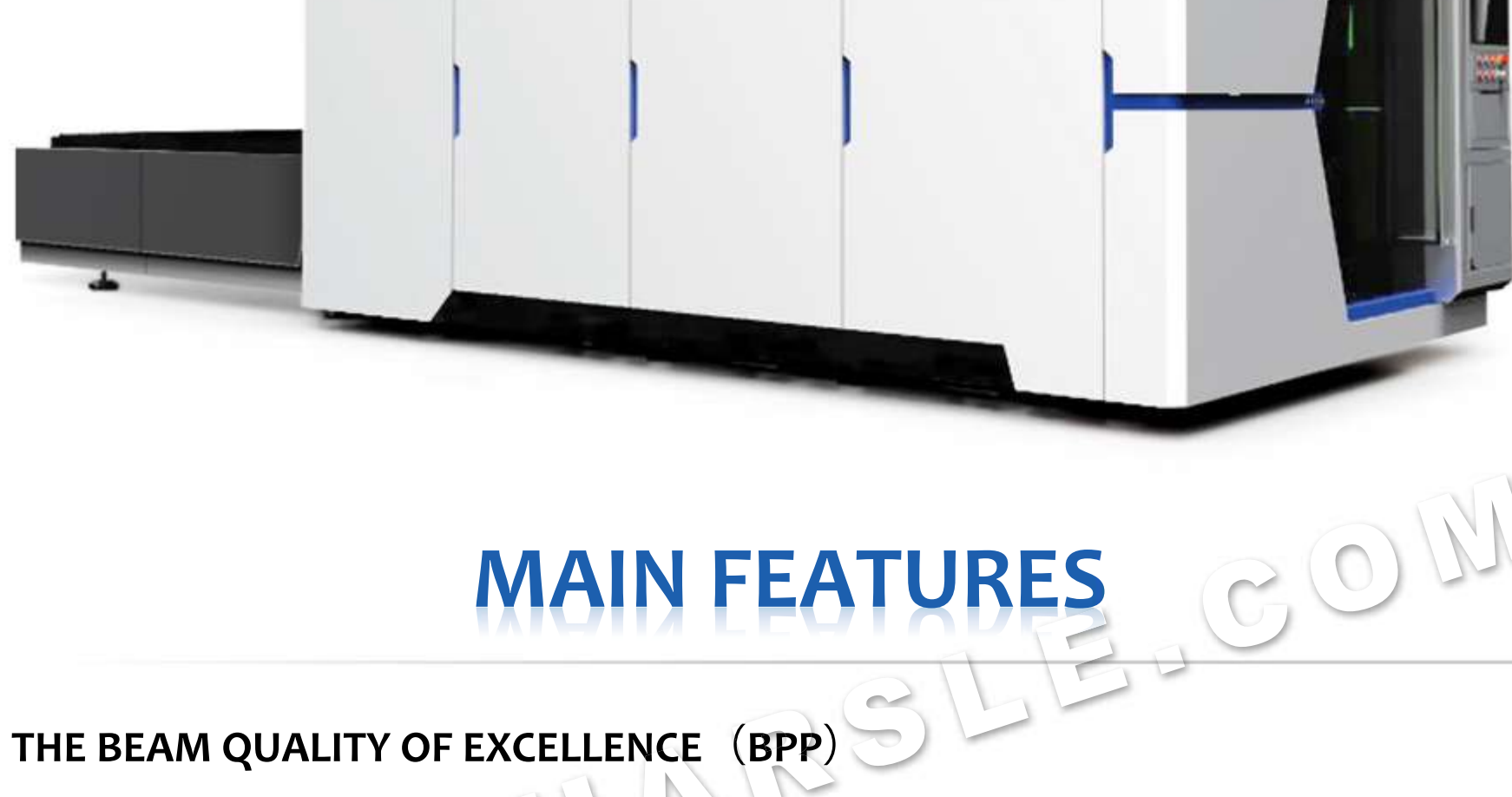


Closed Type CNC Fiber Laser Cutting Machine

Gantry structure and integrated cast cross-girder machine body which is featured with rigidity, stability and anti-shocking property



MAIN FEATURES

- THE BEAM QUALITY OF EXCELLENCE (BPP)
- ALL CONSTANT POWER RANGE BPP
- USE OF LONG FOCAL LENGTH CAN STILL GET A SMALL SPOT
- PHOTOELECTRIC CONVERSION EFFICIENCY 30%
- MAINTENANCE FREE OPERATION
- MODULAR DESIGN, "PLUG AND PLAY"
- SMALL, EASY TO INSTALL
- 100000 HOURS OF FREE MAINTENANCE



PARTS AND FUNCTION



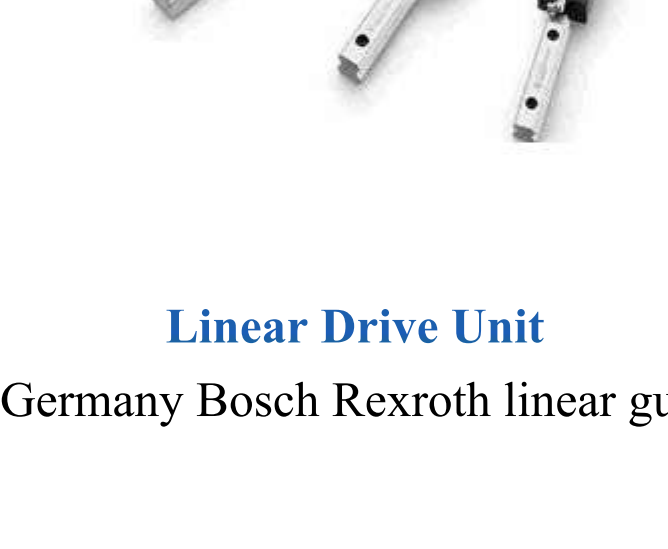
Servo Motor

Equipment adopts YASKAWA servo motor as drive motor



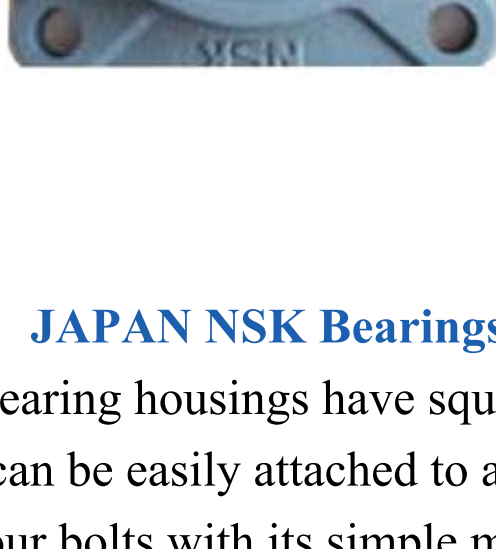
Reducer

Equipment adopts Japan SHIMPO precision 3 arc-min gear reducer



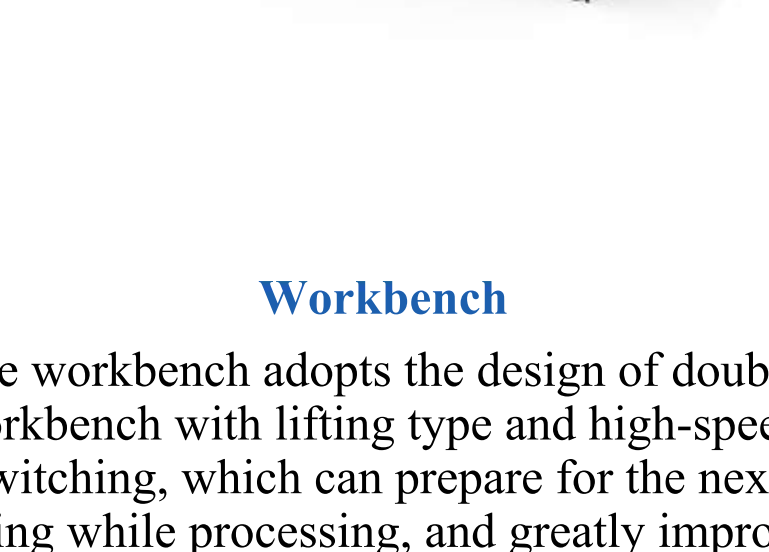
Linear Drive Unit

Germany Bosch Rexroth linear guide



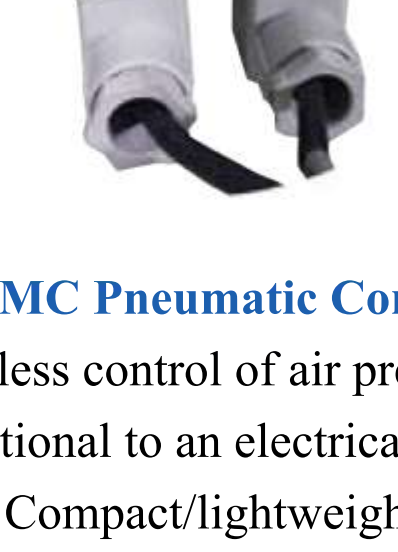
JAPAN NSK Bearings

These bearing housings have square flange which can be easily attached to a machine with four bolts. with its simple mounting face, this bearing unit is widely used.



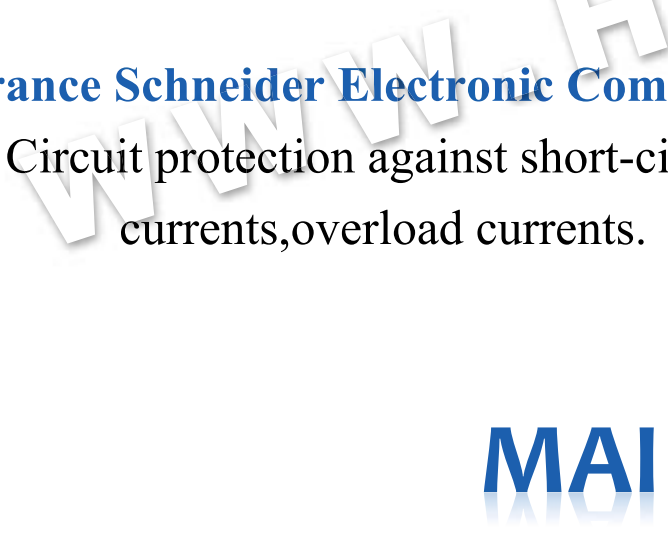
Workbench

The workbench adopts the design of double workbench with lifting type and high-speed switching, which can prepare for the next feeding while processing, and greatly improves the work efficiency. Each worktable can carry up to 1500kg of weight.



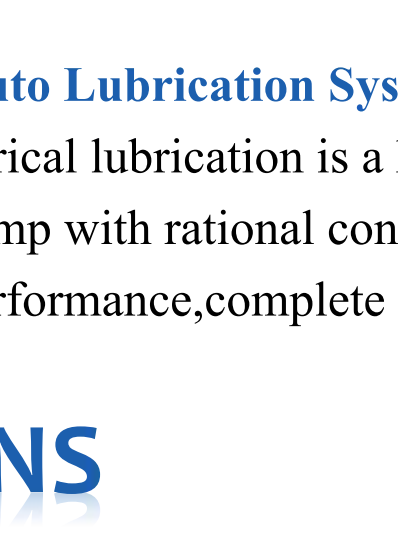
Japan SMC Pneumatic Components

Stepless control of air pressure proportional to an electrical signal. Compact/lightweight (Integrated communication parts.)



France Schneider Electronic Component

Circuit protection against short-circuit currents, overload currents.

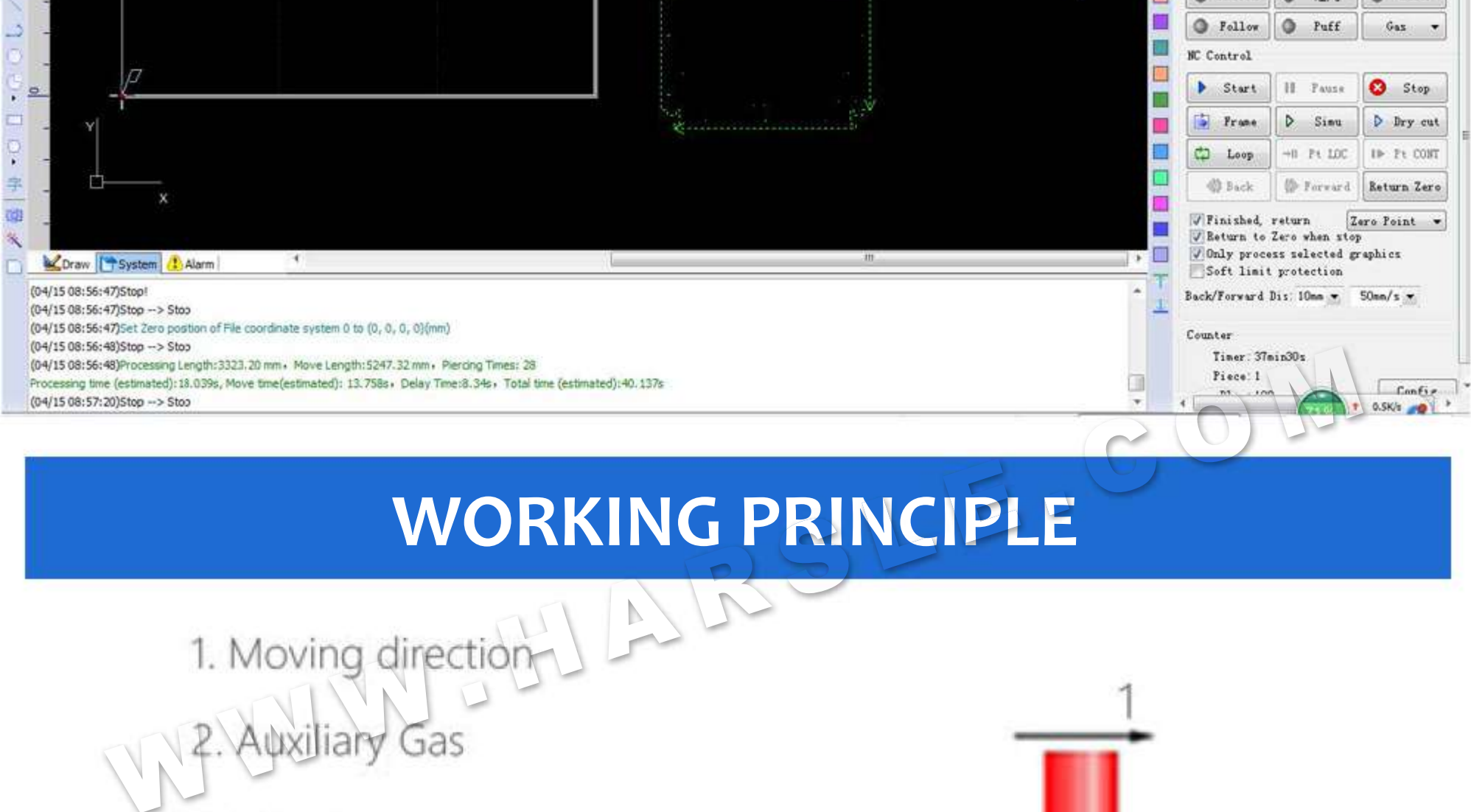


Auto Lubrication System

Electrical lubrication is a kind of gear pump with rational construction, great performance, complete functions.

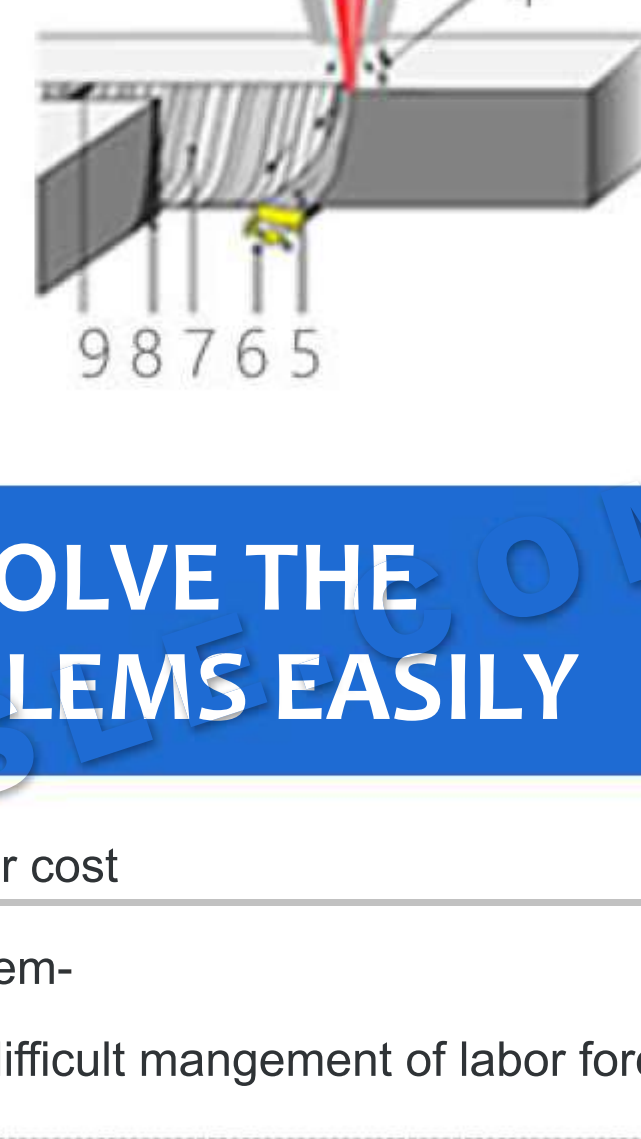
MAIN FUNCTIONS

- Support the AI, DXF, PLT, Gerber, and ect. graphics data format, accept raw Mater Cam, Type3, Wen Tai software into international standard G code.
- When pen/lead in the external files such as DXF, automatic optimization, including: remove duplicate lines, merger connected lines, remove tiny graphics, automatic distinguish between inner and outer mold and sorting and so on. Automatic optimization process can be customized, the above each function can also be performed manually.
- Set in the form of wysiwyg introduced pinout, slotting compensation, micro connection, bridge connection, over cut, leave a gap, etc.
- Flexible automatic sorting and manual sorting, supported by group part of the fixed processing order.
- The unique processing order browsing function, more interactive than bridge to check the processing order.
- Support the speed of the power regulation, can be set up separately lead in and lead out linear velocity.
- The same set of software support pipe cutting and flat cutting, the same programming; Support the intersecting line cutting.
- Support height directed cutting, automatic seeking edge and plate outside cutting and lift the cutting head.



WORKING PRINCIPLE

1. Moving direction
2. Auxiliary Gas
3. Nozzle
4. Nozzle Distance
5. Molten Material
6. Residues
7. Cutting section
8. Heat Affected Zone
9. Joint-Cutting



HELP YOU TO SOLVE THE FOLLOWING PROBLEMS EASILY

- SAVE MAN POWER**
 - Save manpower cost
 - Solve the problem- High cost and difficult mangement of labor force
- HIGH EFFICIENCY**
 - High speed, convenient operation
 - Solve the problem- Artificial or common mechanical processing with low speed, low efficiency
- GOOD QUALITY**
 - High precision smooth section is convenient for welding processing or assembling
 - Solve the problem- poor precision, coarse section, large slit
- STANDARDIZATION**
 - Computer operation standardization production
 - Solve the problem- Batch job error
- LOW COST**
 - Almost zero maintenance cost
 - Solve the problem- The equipment maintenance cost is high, the continuous investment
- ENVIRONMENTAL PROTECTION**
 - High-efficiency laser source, dust and smoke treatment device
 - Solve the problem- High energy consumption, serious pollution

FINE PROCESSING

Low cost in use	power consumption is only 20-30% of CO2 laser
High speed	2-3 time faster than yag or CO2 laser
High accuracy	Fine laser beam, slim kerf
Low maintenance	Almost zero maintenance cost

