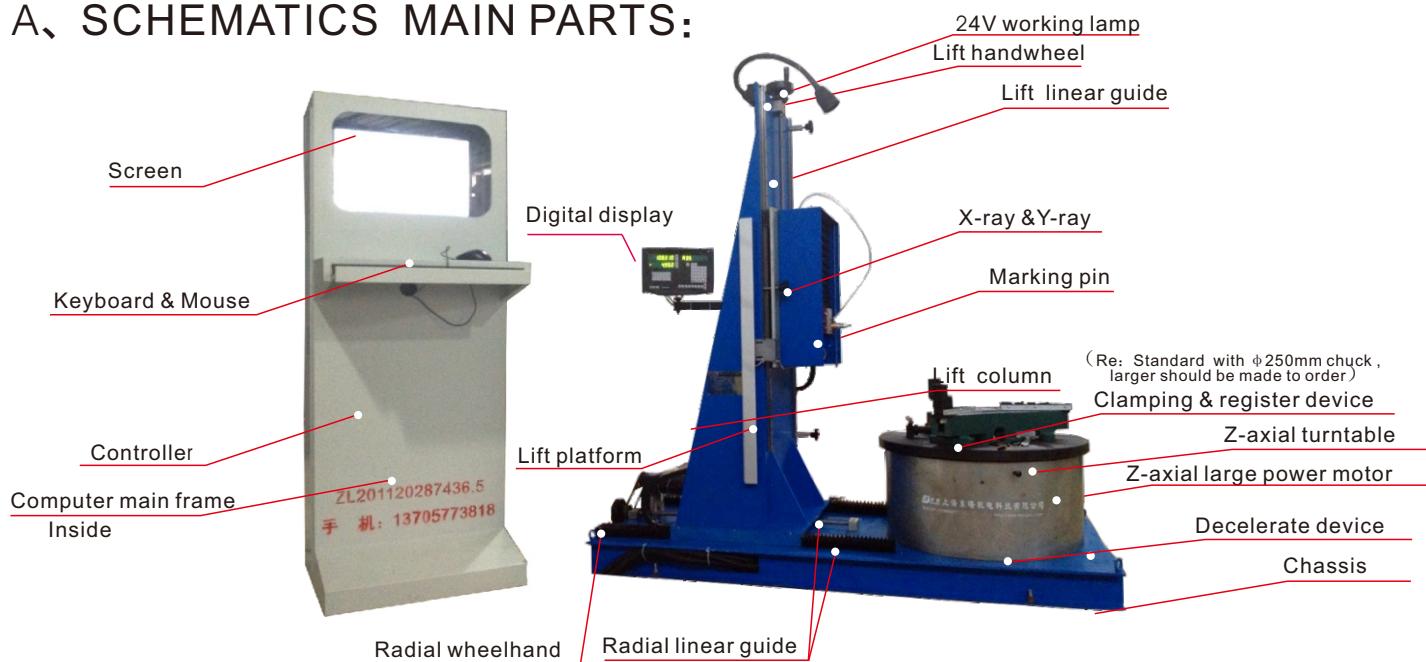


## DSA-5-2000 HIGH TORQUES MARKING MACHINCE

PATENT NO. : ZL 2011 2 0287436.5

### A、SCHEMATICS MAIN PARTS:



### B、MAIN PARTS:

Controller for lift & radial adjusting



Displaying ruler



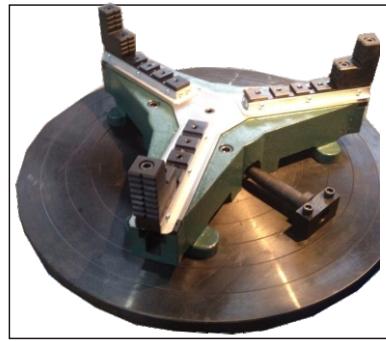
Quick-adjustment motor



Chain-type trough



Chuck (Optional)



Ball screw



## C、Equipment summary:

High Torques Marking Machine was developed by our professional engineers for oversize cylinder workpiece in 2011, the national patent number of China : ZL 201120287436.5

Principle : The marking controller connected to the computer controls the pin's movement as the data (characters or images) inputted to the computer, while at the same time, the pin strikes frequently under the application of compressed air, generating aesthetic patterns on the work piece.

It applies to large flanges, valve bodies and cylinder workpiece(3-axis). The marking pin starts to mark along X & Y axis under motor control after the workpiece rotate to a certain angle. The maximum swivel of workpiece is 360. The position of workpiece can be adjusted radially & axially, at the time the workpiece can rotate back to special angle rapidly.

Being to high stability, clear marker, wonderful print, extensive application, long life, this product is widely used in many traditional & streamline marking fields. Furthermore, some parts of the product can be up to aviation appliance technical standard.

## D、Technological parameters:

* Marking information : characters, images, figures	* Marking hardness : metal, $\leq$ HRC52
* Characters size: arbitrarily adjustable	* Repeatability : 0.05mm
* Marking range : 500*300mm(in plane)	* Power source : AC 220 $\pm$ 10% ,50Hz
* Working diameter : $\phi$ 200~700mm	* Working continuity : $\geq$ 24 Hours
* Maximum load: 2Tons	* Whole power: $\leq$ 1.8KW (exc. air compressor)
* Lift range : 0~1000mm	* Air pressure: 0.5~0.7MPa
* Marking depth : 0.05~0.5mm (by materials )	* Working temperature: 0~40°C
* Marking speed : 3~5 characters/s (adjustable)	* Working humidity : 0~40°C

Air source: pressure  $\geq$ 0.5Mpa, flow  $\geq$ 0.2m<sup>3</sup>/min

## E、Function:

1. Able to mark on various products and lable tags made of steel,iron,copper,aluminum,hard plastics, etc..
2. Able to mark any pattern, such as Chinese/English characters,Arabia numbers,icons.
3. Able to mark batth numbers(increased / decreased automatically),VIN codes,random codes, 2D codes,etc..
4. High striking frequency ,fast marking speed ,and suitable for mass production.
5. Low striking force,which does`t impair the mechanical properties of the parts.
6. Adjustable marking depth,from 0.02-1mm.
7. Easy operation & maintenance.
8. Environmental friendly.

