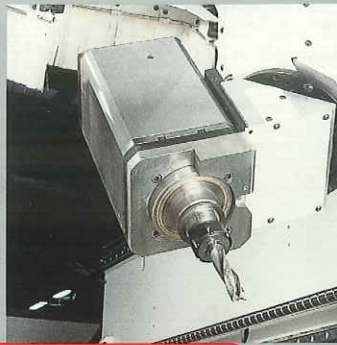
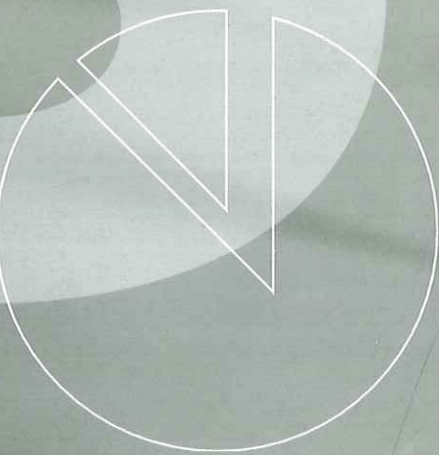
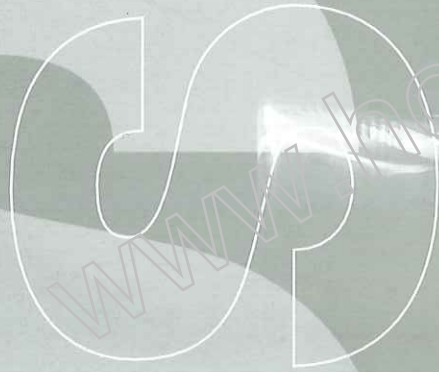
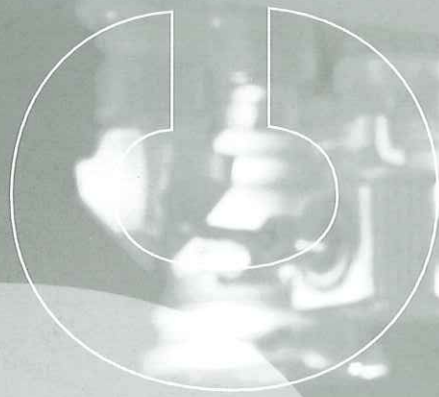


Prisma



## Prisma

Machining unit with 4th and 5th controlled axes.



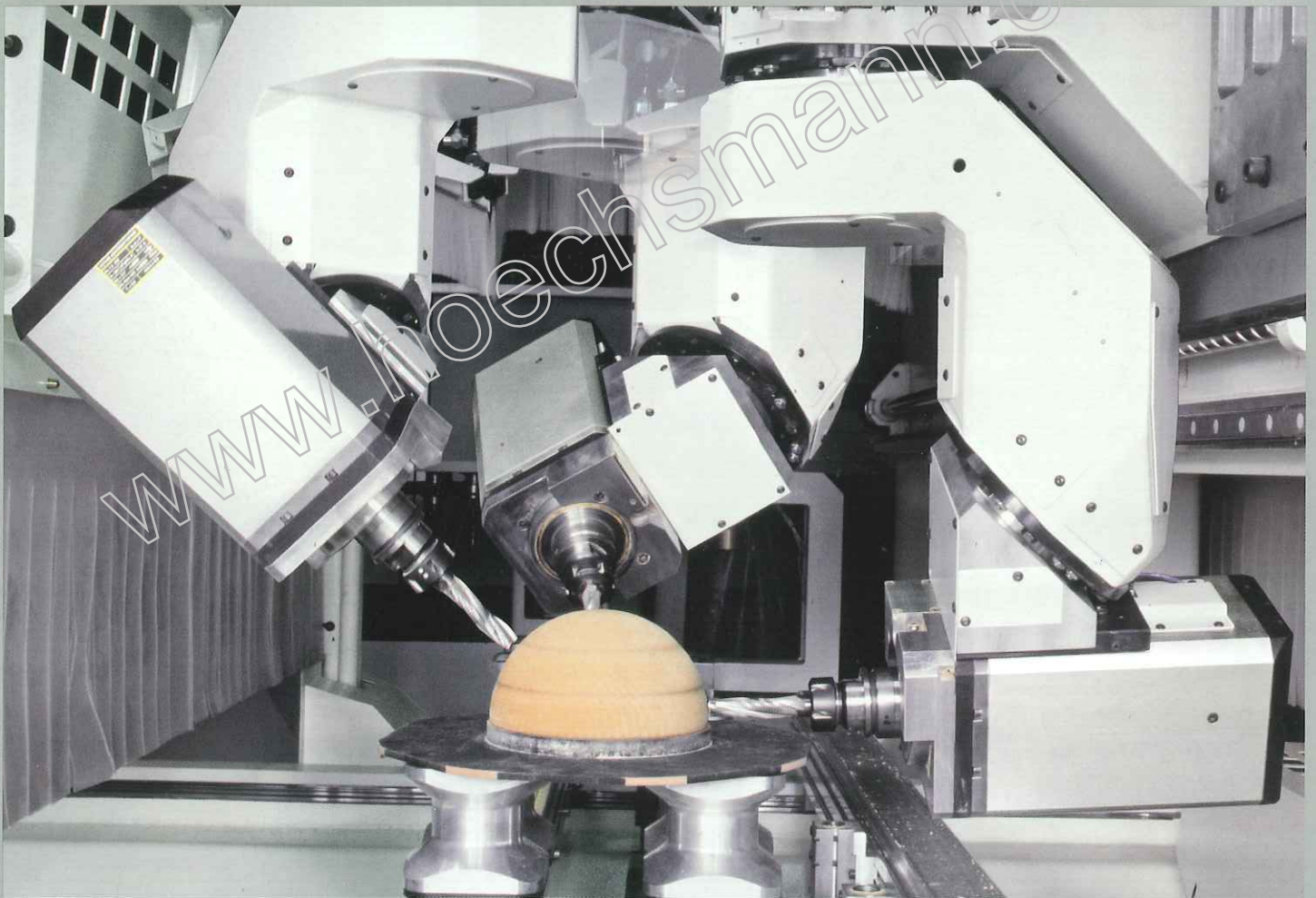
 **scm**

# Prisma

Machining unit with  
4th and 5th controlled axes.

**A  
revolution  
in  
machining  
methods.**

Technological development of CNC machines leads to innovations that can change the traditional way of working. Prisma totally revolutionises the way of solving traditional problems in order to guarantee faster, flexible and more competitive production solutions.



**scm**



A complete range  
for all specifications



**Record 110 S Prisma:**

Fitted with the **Prisma K** machining head, this cnc machining centre is ideal for the specialist woodworker and small or medium-sized companies processing wood, plastics and light alloys.



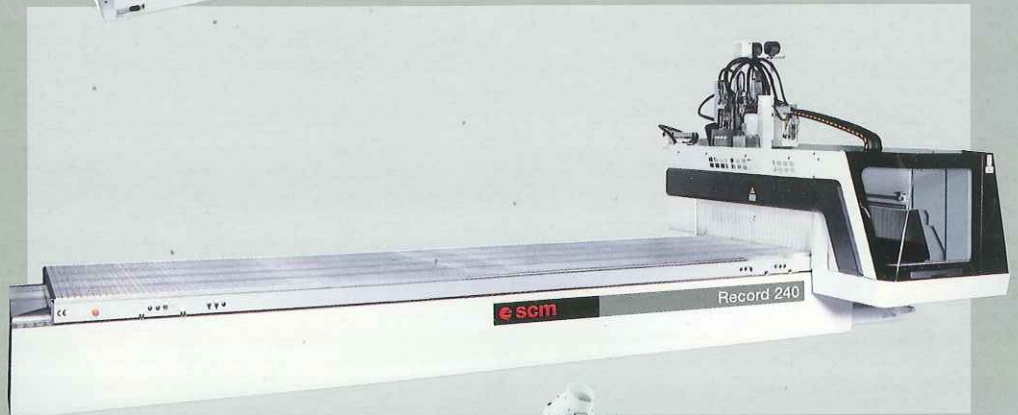
**Record 132 Prisma:**

Equipped with the **Prisma** unit, this machining centre is truly universal and suitable for small and medium-sized companies. Large companies also use this configuration as a backup machine for special jobs, prototypes and small batch production.



**Record 240 Prisma  
and Record 240 Tecno:**

When Record 240 is equipped with **Prisma** unit as the main machining head, it becomes the ideal universal machining centre for the medium-sized company. Fitted with **Tecno** unit, a 3-axis power unit, and also with Prisma K unit, as a complementary unit, Record 240 machining centre is ideally suitable for large companies and sub-contractors.



**Ergon:**

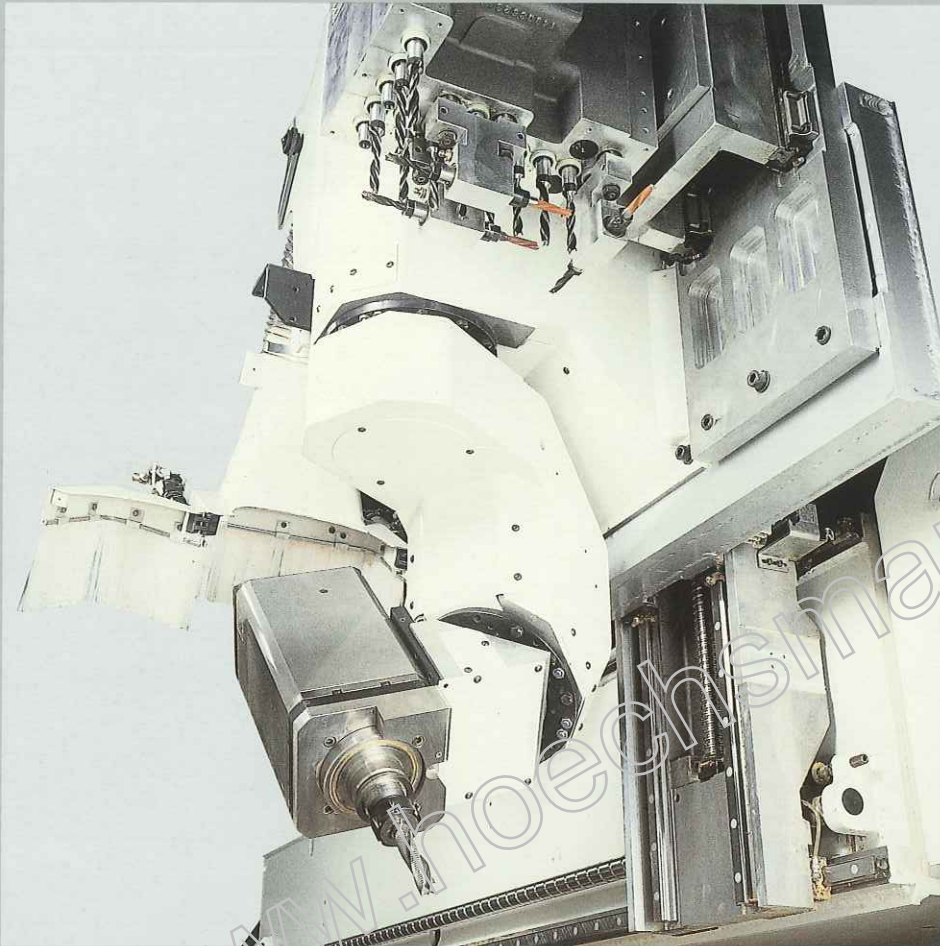
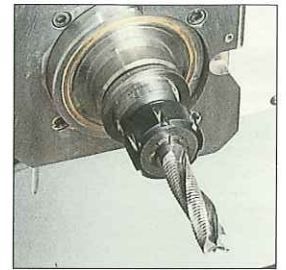
The Ergon high-technology machining centre can be fitted with a Prisma unit as the main machining head or a single **Prisma** unit and 3-axis power units. The machine is modular and ideal for medium-sized companies planning for expansion. Large companies also appreciate the variety of sizes and configurations available which makes it possible to customise the machine to every production requirement.



# Prisma:

a single road leading  
in all directions

**Powerful  
and  
Universal**



### Prisma unit:

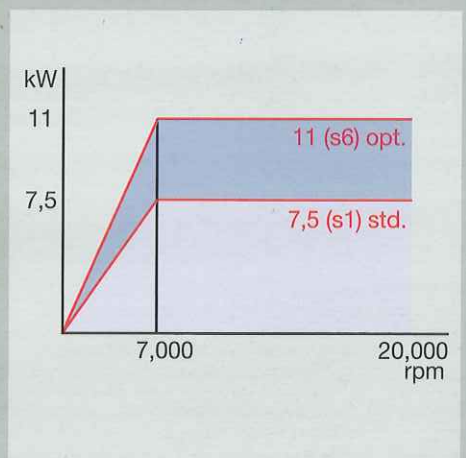
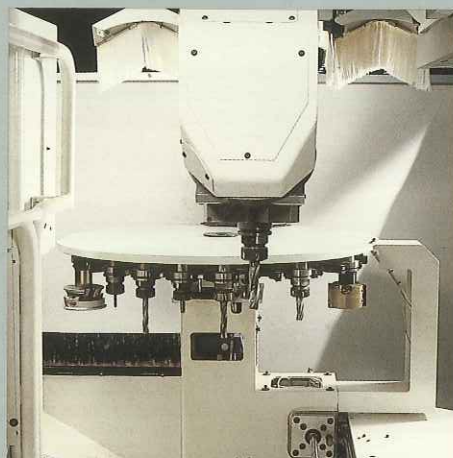
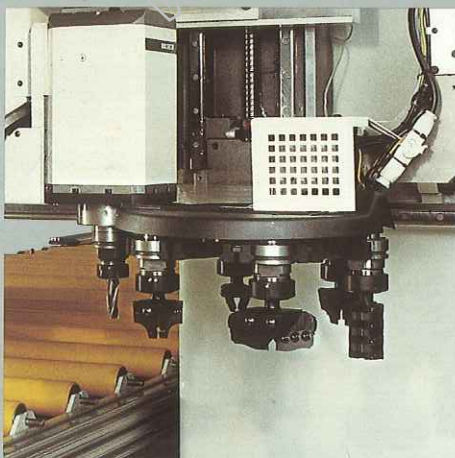
Machining head with 4th and 5th controlled axes.

A single unit performing all the functions of a standard machining centre. A single unit to fully optimise the production process.

- Routing on tilted axes.
- Sawblade cutting on tilted axes.
- Machining of any profile with interpolation of 5 axes.

Prisma, the solution for all modern machining requirements:

- Chair and table components
- Frames
- Boat, aircraft and caravan furniture
- Period furniture
- Staircase components
- All 5-axis machining operations.



Any profile on any shape:  
**the height of versatility.**

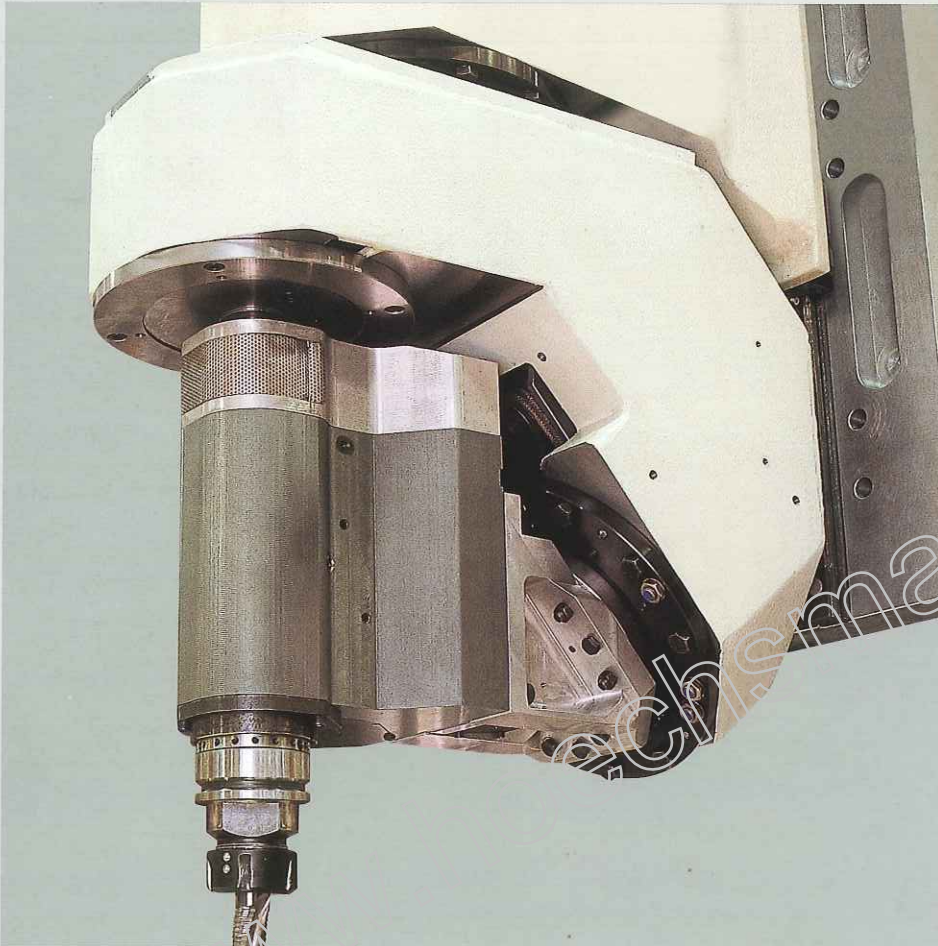
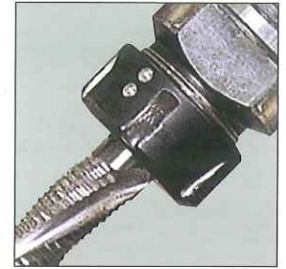
### High power at low speeds

These are the ideal specifications for a machining head able to execute all the operations from profiling to saw blade cutting operations.

# Prisma K

Maximum versatility  
in a compact unit

**Versatile  
and  
Compact**



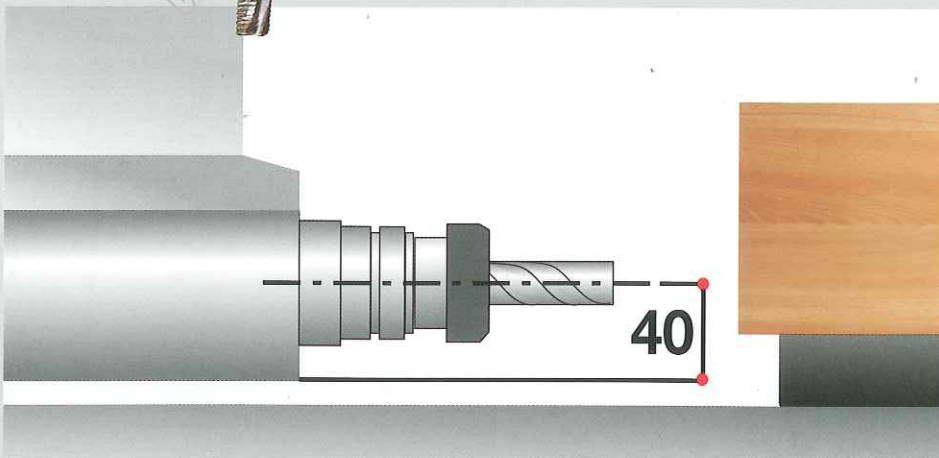
## Prisma K unit

Machining head with 4th and 5th controlled axes.

A multi-function machining head for all machining operations on all five faces of a component.

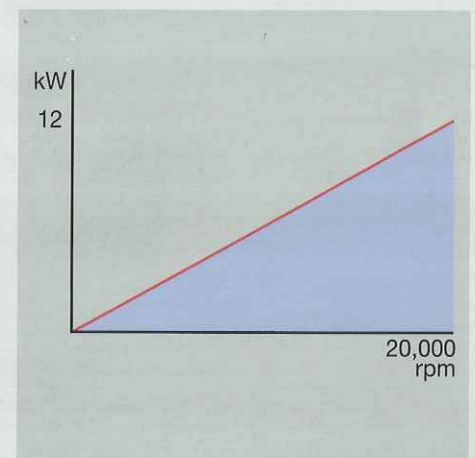
A single unit performing all the functions of a horizontal-axis router. Horizontal-axis routing, sawblade cutting, angled drilling and all the operations of a 5-axis machine.

- The robust unit structure is a guarantee of a quality finish
- The Prisma K has all the power needed for a complete range of machining functions
- Prisma's compact dimensions make it the complementary unit without equal.



### The advantage of being compact:

The exclusive Prisma design separates the motor power from the machining head. The height dimension of the Prisma head is very small which means there is no need to raise the component when machining on the horizontal axis.



### High power and speed:

Suitable for all applications, as an accessory unit or as a main machining head, thus guaranteeing SCM's high quality standards.

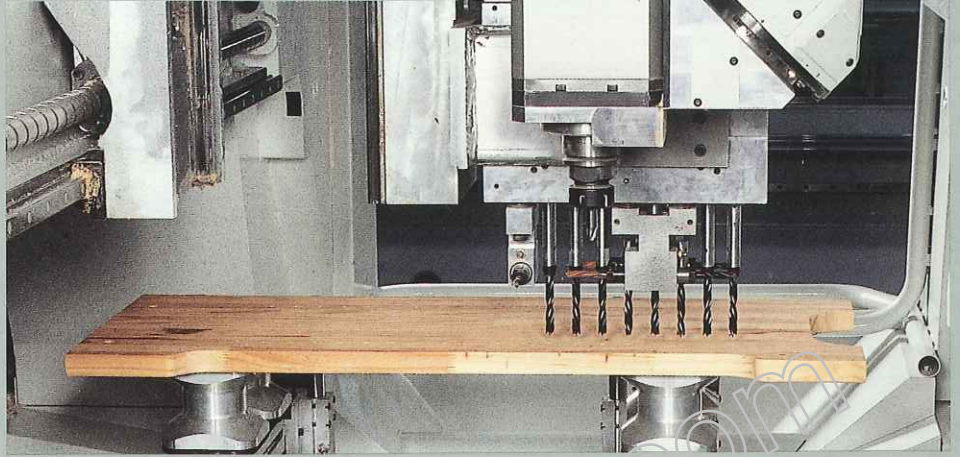
# A 360° complete machining unit



## Production has never been simpler:

A single unit for all machining operations greatly simplifies the production cycle and offers considerable advantages:

- All tools can be used on both the vertical and the horizontal axes.
- All the machining operations, which usually require separate units, are now performed directly by one single spindle and providing a high quality finish.
- The production process becomes incredibly flexible. Manufacturers can now produce a wide variation of products for their customers without any major increases in costs.

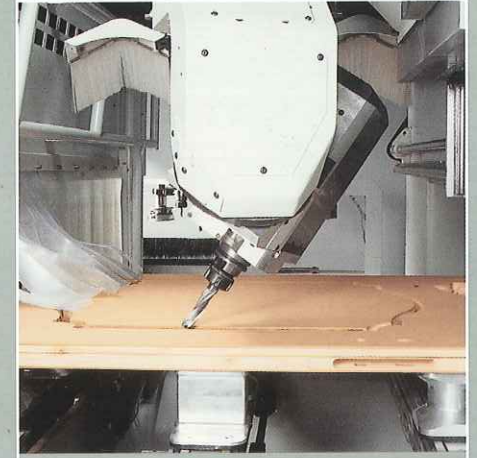


## Complete in each function :

The Prisma unit is ideal for any drilling requirement in the horizontal axis, and can be fitted with auxiliary drilling units designed specifically for machining solid wood.

Hardware locations are directly machined by the high-powered spindle to greatly reduce cycle times.

Typical machining on the vertical axis.



The Prisma unit revolutionises production methods and enables an innovative approach. For example, tilted tool introduction to a component and improvement in the life of the tooling.

On the Prisma, holes for Anuba fittings are made using a standard drill bit. No need for angle drive heads or other special units.

Limitless possibilities. Prisma versatility is comparable from standard to special machining operations.

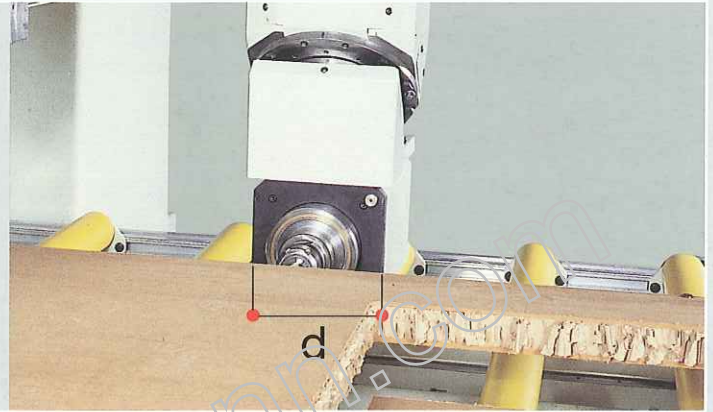
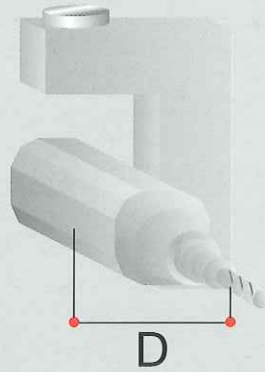
# Why Prisma?



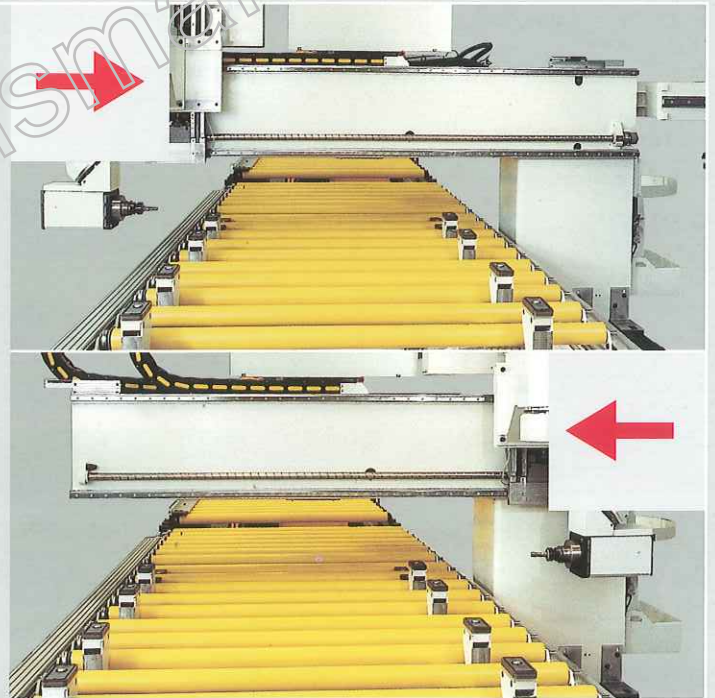
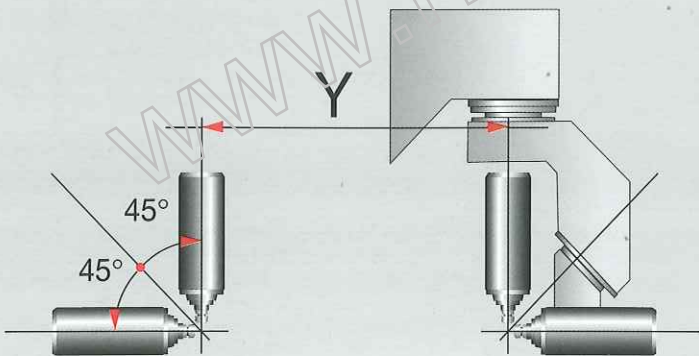
The characteristic shape of the Prisma machining head is the result of detailed research into production processes and 5-axis machining centres.

The particular configuration with rotary axes, not located at 90 degrees from one another, offers numerous advantages.

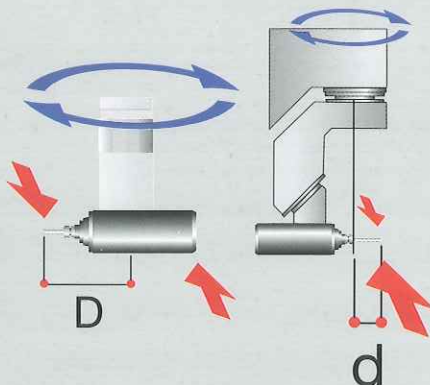
During machining on the horizontal axis, the only part occupying the operating area is the machining head itself. There are none of the obstructions found in conventional layouts.



The unit rotates around **the tool holder point** so that the maximum working area can be covered by the machining head.



Prisma unit always keeps the tool close to the vertical rotary axis. In this way, mechanical stresses of the machining head structure are reduced to a minimum.



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