



WHY CLEAN-STAR Control ?

Clean-Star Control is a new and useful tool by means of which it is possible to resolve the problems of the cleaning of the workpieces and of the machine tools and first of all Clean-Star resolves the problems concerning the employees security. Therefore Clean-Star resolves, once, **many production's problems** (out-put pressure control of the coolant; cleaning of the workpieces; cleaning of the machine tools) and first of all many problems concerning the **security of the employees**.

THE ADVANTAGES OF THE CONTROL-STAR ARE:

❖ EMPLOYEES SECURITY

With Clean-Star the workpieces and the complete working area are cleaned from the metal-chips without opening the door of the machine tool.

Therefore the employee works with the **complete security**.

With Clean-Star is possible to avoid the **noises** of the compressed air against the workpiece.

With Clean-Star is possible to avoid the **allergic reactions** of the chemical agents of the coolant.

❖ PRODUCTION

The output pressure control of the coolant is very important in order to **avoid the breaking of the tools** during the working of the workpiece.

Thanks to this pressure control is possible to **locate some anomalies** such as: Closure of the filter; insufficient pump delivery; and so on.

With Clean-Star is possible to clean the workpieces and the machine tool in the case of **automatic working process**.



NECESSARY ELEMENTS FOR CLEAN-STAR

- ▶ Weldon cup of 16 mm or 5/8"
- ▶ Coolant through the tool
- ▶ Minimum working pressure of 10 bar

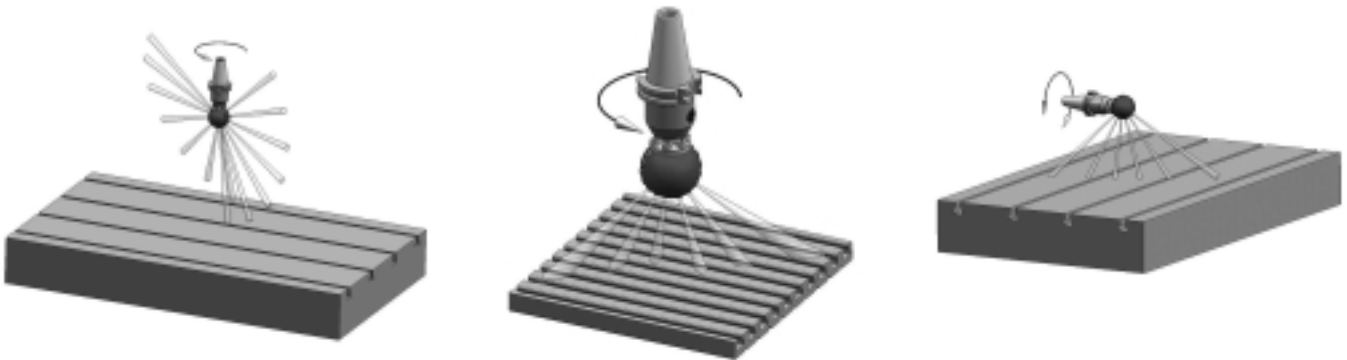
SERVICE INSTRUCTIONS

- ▶ Clean-Star has two row of holes:
The row fo holes marked with "V" is suggested for **Vertical** machine tools;
The row of holes marked with "H" is suggested for **Horizontal** machine tools.

Of course if the working pressure is enough is possible to open both row of holes.

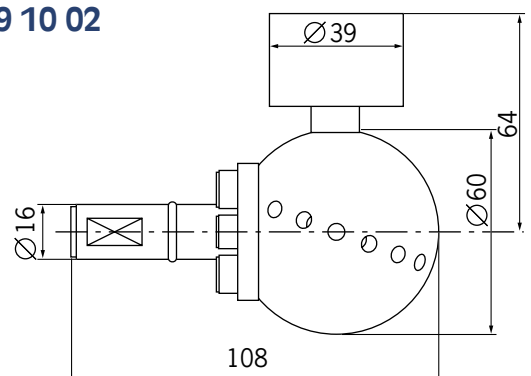
HOW TO USE CLEAN-STAR Control

- ▶ Turn the grub-screws out from the row of holes "V" or "H".
It is important of know that less pressure = less opened holes.
- ▶ During the cleaning it is necessary to maintain the speed of the tool around **10/20 rpm**.
- ▶ The forward speed of the axis must be around **5/25 m/min**.



CLEAN-STAR Control

Cod. 51 99 10 02





WHY CLEAN-JET?

Clean-Jet is a new and useful tool by means of which it is possible to resolve the problems of the cleaning of the workpieces and of the machine tools and first of all Clean-Star resolves the problems concerning the employees security.

THE ADVANTAGES OF THE CLEAN-JET ARE:

❖ EMPLOYEES SECURITY

With Clean-Jet the workpieces and the complete working area are cleaned from the metal-chips without opening the door of the machine tool.

Therefore the employ works with the **complete security**.

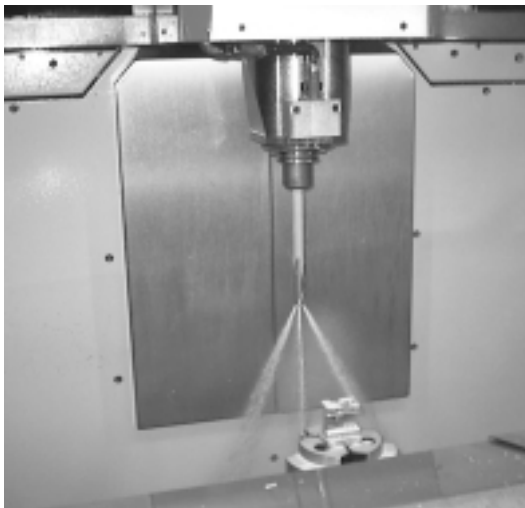
With Clean-Jet is possible to avoid the **noises** of the complessed air against the workpiece.

With Clean-Jet is possible to avoid the **allergic reactions** of the chemical agents of the coolant.

❖ PRODUCTION

With Clean-Jet is possible to clean the workpieces in the case of **automatic working process**.

With Clean-Jet is possible to clean the workpieces with **compressed air for coolant**.

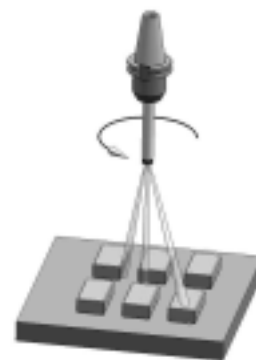


NECESSARY ELEMENTS FOR CLEAN-JET

- ▶ Weldon cup of 16 mm or 5/8"
- ▶ Coolant through the tool
- ▶ Minimum working pressure of 10 bar with the coolant; 5 bar with the compressed air

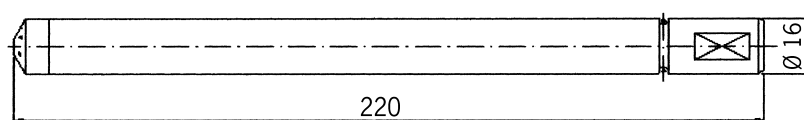
HOW TO USE CLEAN-JET

- ▶ Pre-set the Clean-Jet at **- 100/150 mm** from the workpiece with the coolant or **- 50/80 mm** with compressed air.
- ▶ During the cleaning it is necessary to maintain the speed of the tool around **200/300 rpm** with the coolant; to **150/200 rpm** with the compressed air.
- ▶ The forward speed of the axis must be around **15/25 m/min** with the coolant; or **5/15 m/min** with the compressed air.
- ▶ The choice of the nozzle depends of the tool holder:
 - Nozzle **UD 40 - SK 40 = HSK 63**
 - Nozzle **UD 45 - SK 45 = HSK 80**
 - Nozzle **UD 50 - SK 50 = HSK 100**



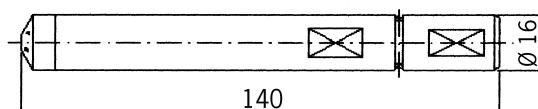
CLEAN-JET L 180/UD 40
CLEAN-JET L 180/UD 45
CLEAN-JET L 180/UD 50

Cod. 51 99 10 10
 Cod. 51 99 10 11
 Cod. 51 99 10 12



CLEAN-JET L 100/UD 40
CLEAN-JET L 100/UD 45
CLEAN-JET L 100/UD 50

Cod. 51 99 10 07
 Cod. 51 99 10 08
 Cod. 51 99 10 09





Treated joint

Cod. 51 99 10 13



SPARE PARTS FOR ACS



Gauge

Cod. 51 99 10 03



Nozzle UD 40

Cod. 51 99 10 14



Nozzle UD 45

Cod. 51 99 10 15



Nozzle UD 50

Cod. 51 99 10 16



Close nipple

Cod. 51 99 10 04

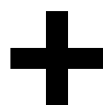


Set of 13 grab screws M3 x 6

Cod. 51 99 10 06



TOP-SET ACS



SPECIAL PRICE



TOP-SET ACS

Cod. 51 99 10 01

Complete with:

n. 1 CLEAN-STAR Control; CLEAN-JET L 100; CLEAN-JET L 180; Nozzle UD 40; 45; 50; Close Nipple; Set of 4 Grab screws M3x6; hex. Key; Plastic case.