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DCS



DIE CORRECTOR STATION®
allows you to move dies with
comfort and safety and act on
them for all necessary work
and correction before or after
extrusion.



The DCS - DIE CORRECTOR STATION® was designed and produced by Compes to meet the needs of die correctors for aluminium extrusion: to retain, work and correct dies by eliminating the safety problems caused by weight and diameter, facilitating movement in the various stages of correction.

With DCS - DIE CORRECTOR STATION® the corrector can handle 360 degrees and in total safety mandrel or die cap without removing the piece from the vice.



The workstation is made of four different types that have the same versatility and ease of use:

- the smaller version for dies up to Ø 400 mm
- the intermediate for Ø between 300 and 650 mm
- the largest for those with Ø between 400 and 1200 mm
- the special version for square dies



The DCS 650 and DCS 1200 allows to hold, work and correct dies in a more appropriate and technological way than the home-made equipment with no safety system or the traditional vice to be used in conjunction with a hoist to prevent the fall of the pieces.

The automated system allows you to move dies with comfort and safety and act on them for all work and corrections that are necessary before or after extrusion.



With DCS you can comfortably carry out the following actions:

- frosting, grinding and polishing to improve entry feeds and undercuts
- filing of bearings in the mandrel or die cap
- control of height and flatness of the bearings.



1 • MAIN STRONG POINTS

By introducing DCS - DIE CORRECTOR STATION® in the company, one eliminates accident risks, uncomfortableness and relevant costs.

SAFETY

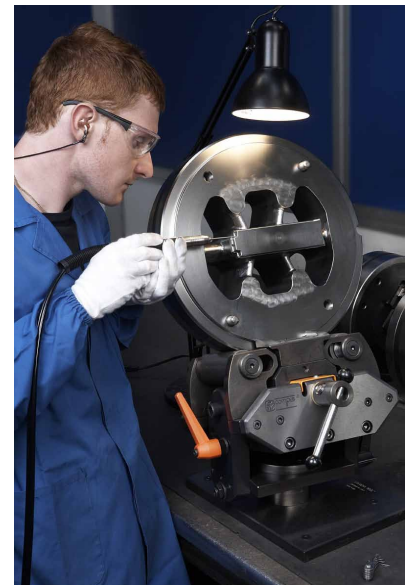
- Safety is guaranteed by the vice jaws and the tilting-proof arm.
- From the beginning to the end of correction die or mandrel are no more lifted by the operator.

ERGONOMICS

- The operator's physical strain is considerably reduced thanks to the tasks absorbed by the station, allowing running without any difficulty all the piece movements in vertical, rotary and axial direction at 360°.
- In order to run the work in a proper and ergonomic way it is possible to modify the position of the working bench as a function of the operator's height. The adjustment is carried out for the 650 by means of a device in the middle of the bearing column, whereas for the DCS 1200 by the buttons on the keyboard, positioned on the right at ideal height.
- The DCS 650 is provided with 2 different types of jaws as a function of the die diameter. Also the DCS 400 needs a second type of jaws in order to better support the dies with diameter higher than 350 mm during operations with vice inclined +/- 15°.
- The DCS1200 is easily adjustable to the various die diameters without applying modifications.

PERFORMANCE

- Resistance to weight stress caused mainly by big diameter dies.
- Guarantee of reliability and good performance.





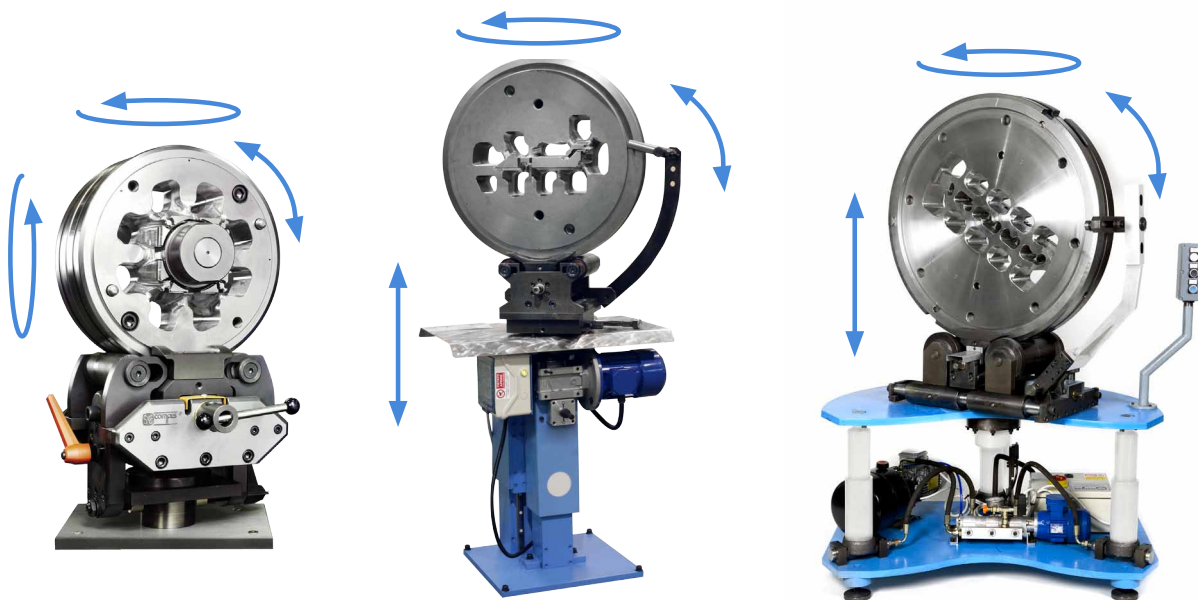
2 • OPERATING INSTRUCTIONS

The following operations are valid for all die types

- Loosen the vice
- Load the die on the rollers.
- Adjust the arm so as to guarantee the die balance (DCS 650 - DCS 1200)
- Ascertain that the die turns correctly
- Block the die
- Press the button up/down according to the operator's height (DCS 650 - DCS 1200)
- Run all the necessary correction operations.
- Unload the die after loosening vice and arm.

3 • TECHNICAL SPECIFICATIONS

	DCS 400	DCS 650	DCS 1200
Die application field: minimum/maximum diameter	up to 400 mm	300-650 mm	400-1200 mm
Power absorbed	-	1 KW	2 KW
Electrical appliance	-	-	24 Volt
Hydraulic cylinder run by hydraulic unit	no	no	Ø 50 2 HP
Reduction gear with nut and screw for the vertical movement	no	yes	no
Maximum distance between the jaws	135 mm	220 mm	220 mm
Change of the jaws as a function of the die diameter	yes	yes	no
Maximum height stroke adjustment	-	250 mm	450 mm
Approximate station weight	Kg 70	Kg 280	Kg 600
Maximum capacity (+/- 15° max Kg 70)	Kg 150	Kg 600	Kg 1200
Overall length	300x350x300 mm	800x800x1220 mm	1200x800x1670 mm





Possibilities of supply:

Upon request it is possible to: develop special jaws with geometry of the customer's dies, modify the distance between jaws and adjust the maximum height.

- **DCS 1200** with central telescopic cylinder and 3 guiding columns with rotating balls and a tilting-proof arm.
- **DCS 650** that is provided with a reduction gear with nut and screw for the vertical movement and is featured by a structure with a bearing column.
- **DCS 400** that can twist in all directions, but has no height adjustment, instead the vice cav tilt +/- 15°
- **SPECIAL VERSION** for square dies or as a function of specific requests.

The DCS consists of a steel frame, a vice and rollers for the support of the piece.

The machine is supplied in compliance with CE standards or alternative ones.

DCS - DIE CORRECTOR STATION®: a CO.M.P.ES. S.p.A. trademark.

Compes reserves the right to apply without prior notification any technical modification deemed necessary or as a function of specific requests.

