

MAY THE FLEXIBILITY BE WITH YOU!

Amazing flexibility with the HAINBUCH SYSTEM.

Numerous different machining tasks, parts variety and complex workpiece clamping set-ups can create stressful situations for machine operators. We have a solution. Join us in the battle against the forces of parts variety and be the winner in every manufacturing process.

The HAINBUCH SYSTEM will not leave your side. You will therefore be optimally prepared for every clamping situation – whether in turning, milling or grinding.

No matter how complex and varying the workpieces may be, whether thin-walled or massive, whether prototypes, one-off or series production, you can always adapt the right clamping device in record time.





ADAPTS TO YOUR WORKPIECE.

Our HAINBUCH SYSTEM is truly a quick-change artist that adapts to your workpiece. It allows you to clamp 1,000 different workpieces and gives you everything you need for complete machining.

But that doesn't mean you need many different clamping devices. Actually, you need only one basic clamping device – a chuck or a stationary chuck that remains on the machine. For O.D., I.D., jaw or magnetic clamping, or clamping between centers you then use adaptations – without having to accept any compromises.

The workpiece defines the adaptation and converts your basic clamping device for the particular application. This incredible solution reduces set-up time substantially, while increasing flexibility and making it possible to easily squeeze in short-term jobs.

CLAMPING HEAD FOR O.D. CLAMPING



The basic clamping device – the TOPPlus mini chuck – has already been mounted onto the machine. I grab my changing fixture with the clamping head and insert it securely into the chuck.



Not only is the system very fast, but requires no alignment. Now I can clamp the workpiece to be machined from the outside and start the machine. One more tip: High machining parameters are no problem thanks to the unique rigidity of the system.



The clamping head is available in various sizes and models to ensure that you always have the right clamping head for different workpieces. HAINBUCH offers an incredible range of products. The clamping heads are available with diverse profiles and serrations. The standard models are always in stock and ready for fast delivery.

WHAT ARE THE ADVANTAGES OF THE CLAMPING HEAD?

- Shorter machine downtimes due to very user friendly set-up [30 seconds]
- High rigidity and holding power enable high RPMs
- Minimal wear and tear reduce costs and prolong maintenance intervals
- Resistance to contamination ensures higher process reliability

MANDREL ADAPTATION FOR I.D. CLAMPING



As you can see, I have already removed the clamping head from the chuck. While holding the MANDO Adapt T211 adaptation in my hand, I insert the segmented clamping bushing and then tighten the draw bolt.



Inserting the adaptation in the chuck took less than a minute. Again, nothing needs to be aligned, so I can clamp my workpiece right away. And don't worry, even with a short clamping length you still have high holding power.



There are 3 different models of MANDO Adapt. In addition to the variant with draw bolts it is also available without draw bolts – MANDO Adapt T212. The clamping length therefore extends all the way to the front. And for gripping and pick off from the main spindle, the deadlength variant T812 without pull-back is ideal. So, nothing is impossible.

WHAT ARE THE ADVANTAGES OF MANDO ADAPT?

- Axial draw force ensures workpiece stabilization for high machining parameters
- Also suitable for small clamping diameters if the jaws of the 3-jaw chuck cannot move into the bore
- Minimal interference contour is ideal for 5-sided machining
- Ideal for grabbing and pick off in machines with sub spindles

JAW ADAPTATION FOR JAW CLAMPING



Now I need a larger clamping range that is not covered by the clamping head. No cause for alarm, I can simply fall back on the jaw module. The HAINBUCH SYSTEM with adaptations is absolutely amazing.



I insert the jaw module, secure it with a screw and it is already centered. Everything is ready in no more than 2 minutes. Clamp the workpiece and machine it from all sides, or between the jaws. But the best part: I don't have to change over to an entire jaw chuck.



It is available in 2 sizes. The smaller – size 145 – version allows me to machine 80 % of the components, and if the clamping range happens to be larger than 140 mm, then I use the size 215 jaw module. For cubic components there is even a 2-jaw module, which can be used on lathes in rotating operation.

WHAT ARE THE ADVANTAGES OF THE JAW MODULE?

- Coverage of a large clamping range without disassembling the basic clamping device
- Deadlength clamping with no pull-back effect
- Lubricating system ensures resistance to contamination and optimal lubrication
- Machining between the jaws is possible [milling and drilling]

FACE DRIVER ADAPTATION FOR CLAMPING BETWEEN CENTERS



Now let's take a look at two adaptations that can be very useful when it comes to hard-to-machine shafts. And I wouldn't want to omit them, because HAINBUCH really thought of everything in designing these adaptations.

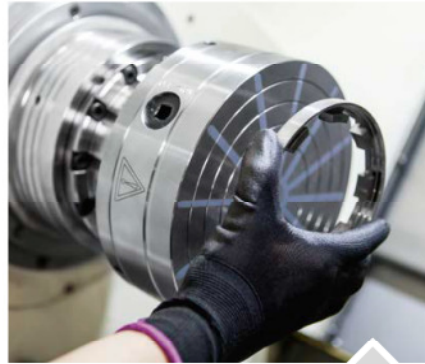


If you have a part you want to machine over the entire length, for example, you can use the face driver for machining between centers. I know I have already mentioned this several times, but this too takes less than 1 minute, and no alignment is necessary.

MAGNET MODULE ADAPTATION FOR MAGNETIC CLAMPING



If the contour of the part makes it hard to machine or if it can be deformed from radial clamping, the magnet module with magnetic axial clamping is a good solution.



This allows axial machining of the part on a neodymium magnet, and the magnet module is pulled onto the flat contact face on the basic clamping device. You already know: 30 seconds, and no ...

THE HAINBUCH SYSTEM - A TRUE QUICK-CHANGE ARTIST THAT ADAPTS TO YOUR WORKPIECE.

THE HAINBUCH SYSTEM AT A GLANCE

