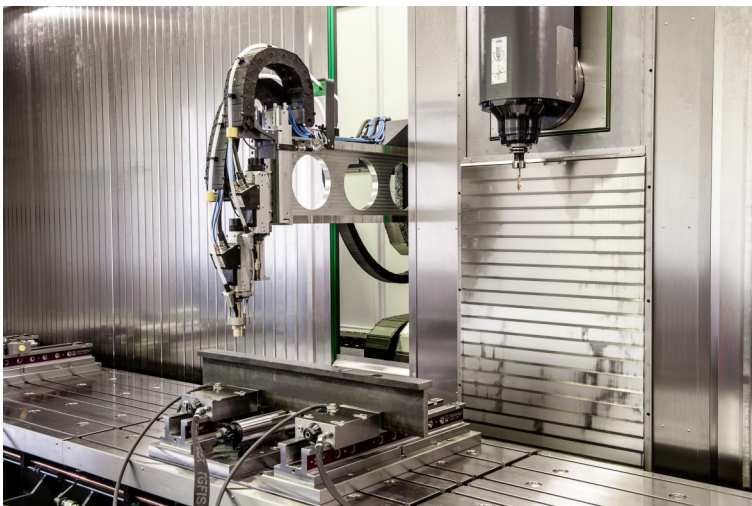


Project 07/2015

- Machining type: Travelling column machining centre VHC 3 XTS
- Application: Processing of T-, L- and U-steel girders for glass fronts
- Task: Milling processing and spot welding of threaded bolts in a clamping process
- Solution: The mechanical process takes place on the VHC 3 (standard series). Two welding heads have been integrated to weld the threaded bolts that are positioned next to the travelling column. One welding head is for M6 and the second for M8 threaded bolts. These welding heads move in the X-axis with the travelling column and have their own independent Y and Z axes as well, thus enabling welding in the entire working area. The threaded bolts automatically are inserted by a vibrating hopper that moves alongside it.
- Special features:
- Implementation of two welding heads alongside the travelling column
 - The clamping tables are attached completely isolated from the machine bed so that the ground cable cannot come into contact with the machine and no stray currents can flow.



Welding heads alongside the spindle