



# The new digital feeding system

**Automation at the Industry 4.0 level**

The VBZ 5100 is one of the most important components of an automated studwelding System. It feeds the stud fast and reliable into the welding head. You can simply put the studs into the VBZ-System and it separates the studs easily by vibrations. After separation the automated studwelding process can start.

The VBZ 5100 offers:

- ✓ robust and reliable technology
- ✓ monitoring of the feeding process
- ✓ easy integration in your automation-System
- ✓ digital adjustment



**feeding of flange studs  
by DINENISO 13918**



# product data



## tabel of product data:

| Art.-Nr.191 21 283                   | technical daten                                                                                                                                        |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| stud size                            | M3-M8 [flange studs]                                                                                                                                   |
| stud length                          | 6-30 [mm]                                                                                                                                              |
| weight                               | 22,5 [kg]                                                                                                                                              |
| storage container Ø                  | 200 [mm]                                                                                                                                               |
| feeding time                         | depending of feeding distance<br>[Reference values follow soon]                                                                                        |
| Monitoring options<br>[optional]     | welding head sensor, feeding rail<br>sensor                                                                                                            |
| adjustable parameter                 | <ul style="list-style-type: none"><li>- blow air [ffor diffrent Ø]</li><li>- vibration time</li><li>- vibration strength</li><li>- slide air</li></ul> |
| controllable parameter<br>by CNC/SPS | <ul style="list-style-type: none"><li>- ready</li><li>- system malfunction</li><li>- start</li></ul>                                                   |



## automation concepts

The VBZ 5100 is one of the important studwelding components of our automations. We offer our automations as complet ready to go systems or as single components to integret in other systems.

The welding stud is seperated and feeded to the welding head. Diffrent welding heads can be feeded by one VBZ System by using a switch [More information in automation prospect]. Diffrent Types of studs can be feeded bei seperate Feeding system, one for each type.

For intergration of welding components in your automation system we offer you a studwelding automation set consisting of AS Ak1 [welding head], studwelder and feeding system with sutable equipment. We offer Sutable interfaces for system integreation.