METRUS Product-Overview
Valve Test Bench Excellence

CSV – Control and Shut off Valve test benches

**CSV 50/200**
- Clamping: Automatic seal head
- Max. valve size: DN200 / 8”
- Max. test load: 50 tons
- Test fluid: Air / Gas / Water
- Max. test pressure: up to 600 bar
- Testing: Shell test / Leak test
- Optional: Bidirectional testing

**CSV 80/300**
- Clamping: Automatic seal head
- Max. valve size: DN300 / 12”
- External clamping adapter for larger sizes
- Max. test load: 80 tons
- Test fluid: Air / Gas / Water
- Max. test pressure: up to 600 bar
- Testing: Shell test / Leak test
- Optional: Bidirectional testing
  - Pneumatic sequential switch

**CSV 220/300**
- Clamping: Automatic seal head
- Max. valve size: DN300 / 12”
- Max. test load: 220 tons
- Test fluid: Air / Gas / Water
- Max. test pressure: up to 600 bar
- Testing: Shell test / Leak test
- Optional: Bidirectional testing
  - Pneumatic sequential switch
Valve Test Bench Excellence

CSV - Control and Shut off Valve test benches

**CSV 400/600**
- Clamping: Automatic seal head
- Max. valve size: DN600 / 24"
- Max. test load: 400 tons
- Test fluid: Air / Gas / Water
- Max. test pressure: up to 600 bar
- Testing: Shell test / Leak test
- Optional: Bidirectional testing, Pneumatic sequential switch

**CSV 1450/500**
- Clamping: Automatic seal head
- Max. valve size: DN500 / 20"
- Max. test load: 1450 tons
- Test fluid: Air / Gas / Water
- Max. test pressure: 1200 bar for all sizes
- Testing: Shell test / Leak test
- Optional: Bidirectional testing, Pneumatic sequential switch

**CSV 2000/500**
- Clamping: Automatic seal head
- Max. valve size: DN500 / 20"
- Max. test load: 2000 tons
- Test fluid: Air / Gas / Water
- Max. test pressure: 1600 bar for all sizes
- Testing: Shell test / Leak test
- Optional: Bidirectional testing, Pneumatic sequential switch
Valve Test Bench Excellence

**SVM (Mobile) and SV Safety valve test benches**

**SVM 4/100 and SVM 4/250**
- **Type:** Mobile
- **Clamping:** Manual
- **Max. valve size:** DN100/4” / DN250/10”
- **Max. test load:** 4 tons
- **Test fluid:** Air / Gas / Water optional
- **Max. test pressure:** up to 600 bar
- **Testing:** Set pressure test / leak test

**SVM 20/200 and SVM 20/400**
- **Type:** Mobile fast clamping
- **Clamping:** Manual fast clamping
- **Max. valve size:** DN200/8” / DN400/16”
- **Max. test load:** 20 tons
- **Test fluid:** Air / Gas / Water optional
- **Max. test pressure:** up to 600 bar
- **Testing:** Set pressure test / leak test

**SV 20/200 and SV 20/400**
- **Type:** Semi mobile
- **Clamping:** Manual fast clamping
- **Max. valve size:** DN200 / 8” / DN400 / 16”
- **Max. test load:** 20 tons
- **Test fluid:** Air / Gas / Water optional
- **Max. test pressure:** up to 600 bar
- **Testing:** Set pressure test / leak test
Valve Test Bench Excellence

**SV Safety valve test benches and TESON**

### SV 50/200 and SV 50/400
- **Type:** Stationary
- **Clamping:** Hydraulic
  - Optional automatic seal head
- **Max. valve size:** DN200 / 8” / DN400 / 16”
- **Max. test load:** 50 tons
- **Test fluid:** Air / Gas / Water optional
- **Max. test pressure:** up to 600 bar
- **Testing:**
  - Set pressure / Leak test
- **Options:** Safety enclosure

### SV 50/400 E
- **Type:** Stationary
- **Clamping:** Hydraulic
  - Optional automatic seal head
- **Max. valve size:** DN400 / 16”
- **Max. test load:** 50 tons
- **Test fluid:** Air / Gas / Water optional
- **Max. test pressure:** up to 600 bar
- **Testing:**
  - Set pressure / Leak test
  - Shell test
- **Options:** Safety enclosure

### TESON II
- **Type:** Mobile, online
- **Testing:** Set pressure

The TESON method identifies the safety valves set points on line and in situ based on a force-lift-diagram. A TESON test is a full valid alternative to a test bench test.
Valve Test Bench Excellence

**BV - Butterfly Valve test benches**

**BV 36/500 and BV 80/500**
- **Clamping:** Hydraulic
- **Max. valve size:** DN500 / 20”
- **Max. test load:** 36 tons / 80 tons
- **Test fluid:** Air / Gas / Water
- **Max. test pressure:** up to 60 bar
  - optional higher test pressure
- **Testing:** Shell test / Leak test

**BV 150/800**
- **Clamping:** Hydraulic
- **Max. valve size:** DN800 / 32”
- **Max. test load:** 150 tons
- **Test fluid:** Air / Gas / Water
- **Max. test pressure:** 40 bar for all sizes
  - optional higher test pressure
- **Testing:** Shell test / Leak test
  - Pneumatic sequential switch
Valve Test Bench Excellence

UTB - Universal Test Bench and CRS

**UTB 200/500**
- **Clamping:** Automatic seal heads
  Optional hydraulic
- **Max. valve size:** DN500 / 20”
- **Max. test load:**
  - 200 tons axial
  - 50 tons 3-claw on table
- **Test fluid:**
  - Air / Gas
  - Water optional
- **Max. test pressure:** up to 600 bar
- **Testing:** Shell test / Leak test

**MPU Mobile pressure generator**
- **Max. test pressure:** up to 600 bar
- **Test fluid:** Water
- **Option:** Safety pressure limitation system

**METRUS CRS Software Solution**
Computer Registration System
Software solution with integrated database and reporting.
METRUS CRS is designed to be used with all test benches manufactured by METRUS and even third party solutions.