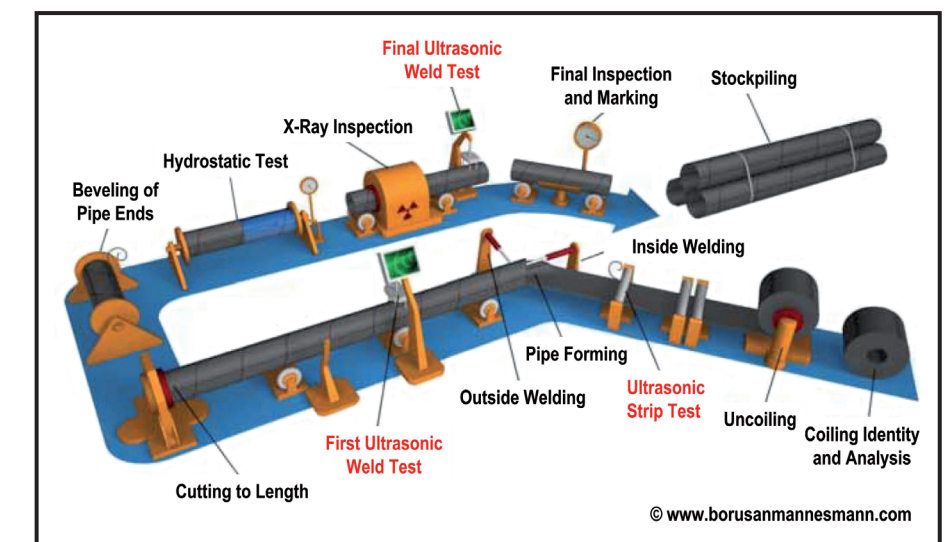


# Ultrasonic Testing of Helically Submerged-Arc Welded (HSAW) Pipes

## ECHOGRAPH BAPS & SNUS



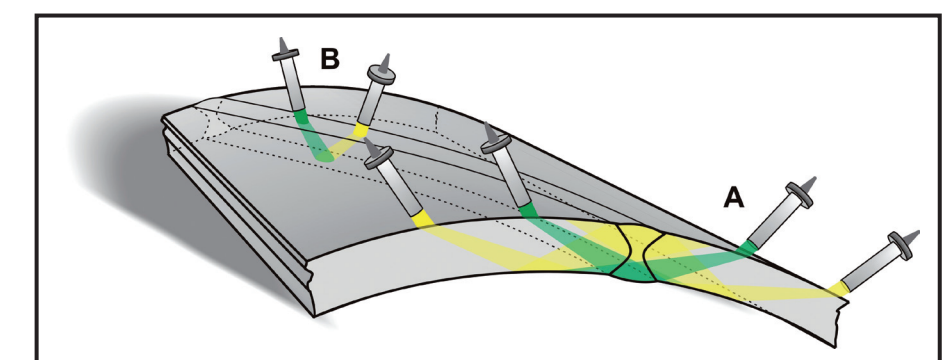
SNUS first weld testing system: 6 probes (4 longitudinal, 2 transverse), laser-based seam tracking



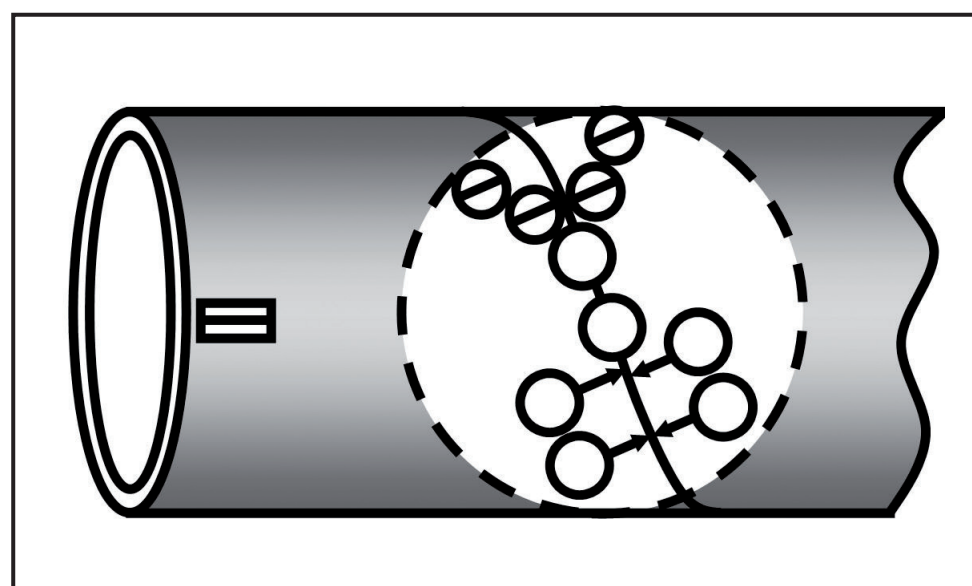
Production and testing of HSAW pipes



BAPS strip testing system, 100%-coverage



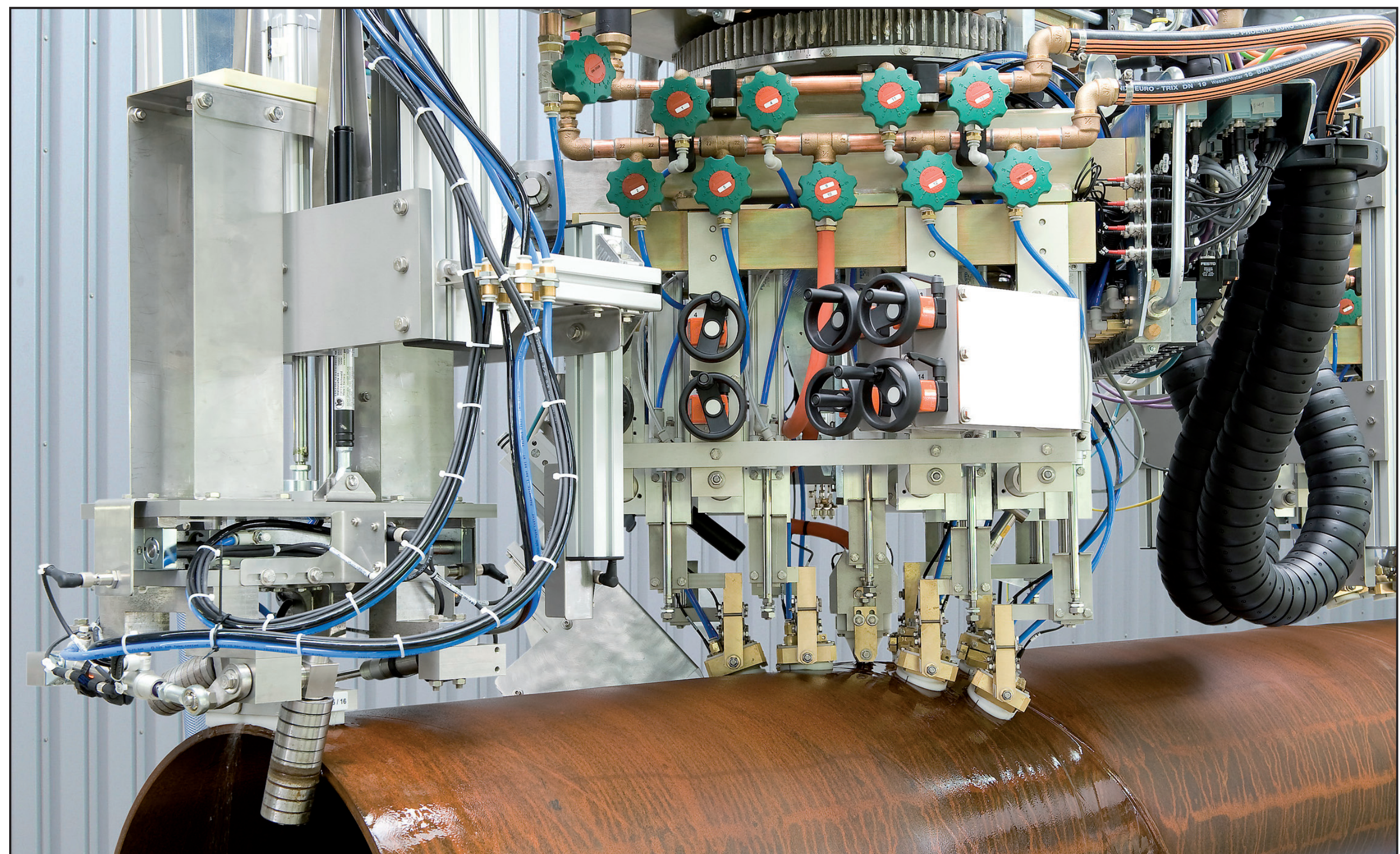
First ultrasonic weld test, 6 angle beam probes



SNUS probe configuration for final ultrasonic test



SNUS weld testing system with machine stand and pipe



SNUS final ultrasonic weld and pipe end testing system: 11 probes in 2 separate frames

# KARL DEUTSCH