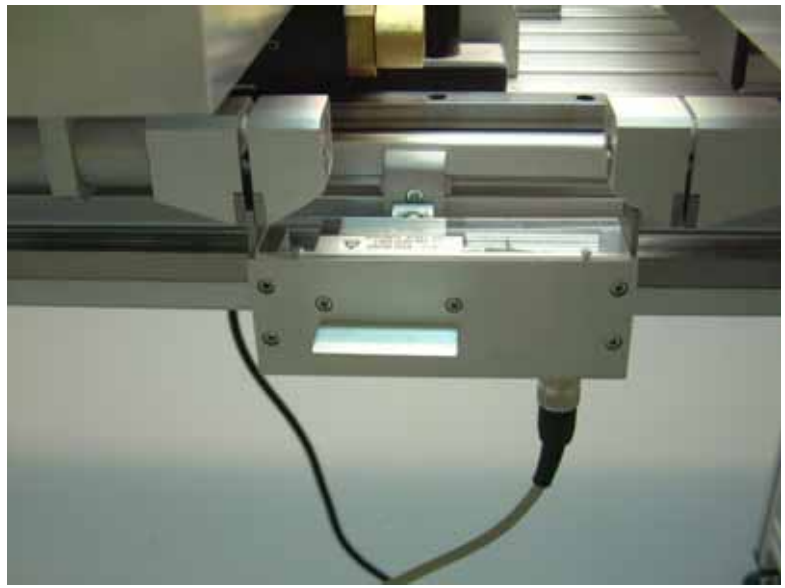
Anode wires for T1200 - production in Poland

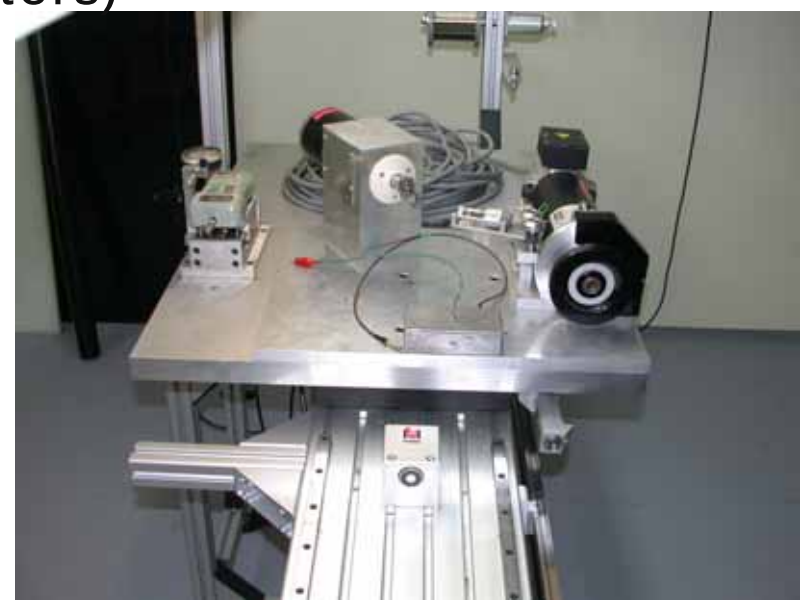
Present status:

- All the equipment has been constructed, purchased or borrowed from Pavia, many improvements as compared to the original Pavia setup for the wire production of T600
- Common work of the experimental groups from Warsaw, Katowice and Cracow, performed in a close collaboration with the Pavia group
- Laboratory in Cracow (12x5.5 m^2) prepared to start the production

Production table - details

- The main table (11m long) is constructed from Al prefabricated elements, it can be splited into two parts 5 and 6m long
- Motor system for streching wires is fixed on the moving trolleys
- Precise measurement of the trolley done with a moving device (5 μm step, guaranteed 100 μm precision over 11 meters)





T1200- checks of mechanical drawings from AirLiq

- Mechanics engineers from the Technical University in Cracow have performed the 2D and 3D finite elements analyses of the cryostat walls and frames proposed by Air Liquide for the 1200 modules
- The cross checks have been done in the fall of 2003, based on the CAD drawings from AirLiquide,
- The work is described in the technical memo **ICARUS-TM/04-01**
- The main conclusion was that "the distribution of internal forces for several load combinations allows concluding that structural elements of the container seem to be strong enough to assure its safe exploitation"

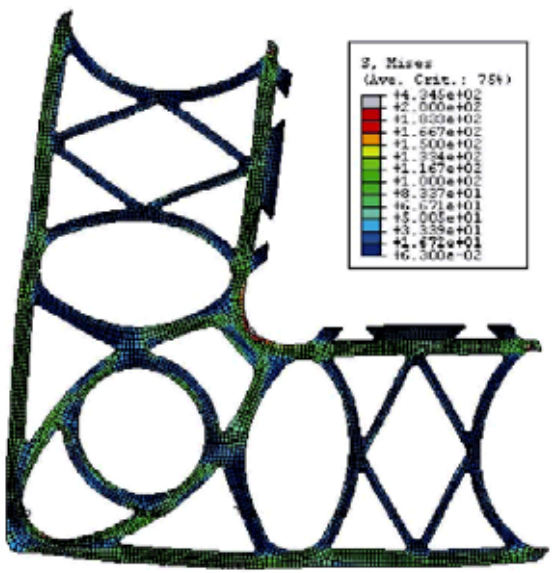


Fig. 18. Distribution of *Mises* stresses in corner profile – combination $G+V$.

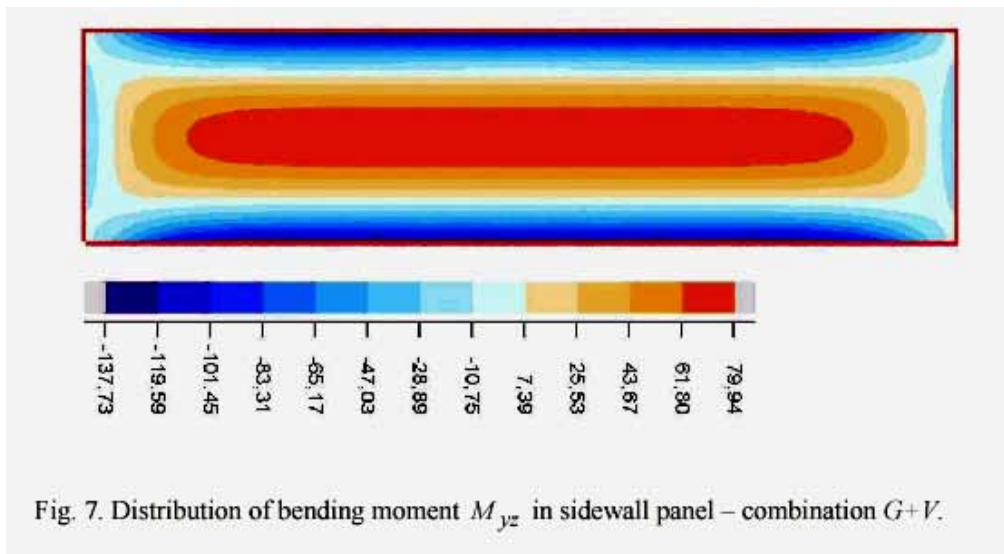


Fig. 7. Distribution of bending moment M_{yz} in sidewall panel – combination $G+V$.