

# **Dubna Production Line Status Report**

**CMS week - Amedeo Staiano**

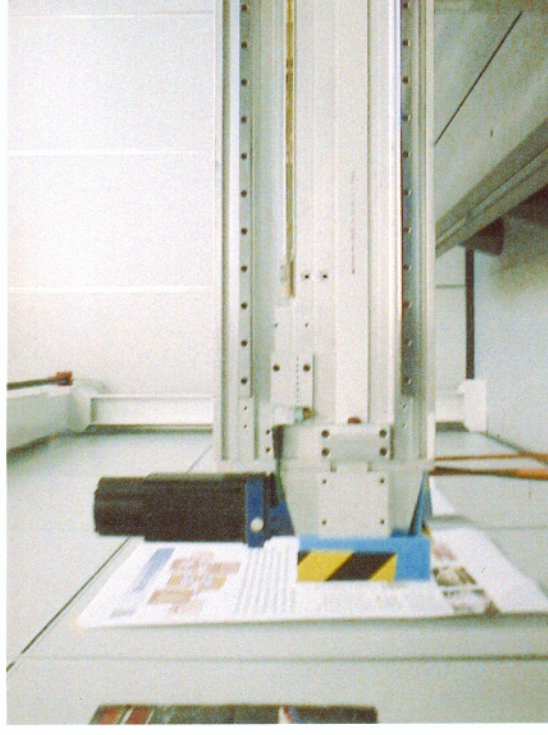
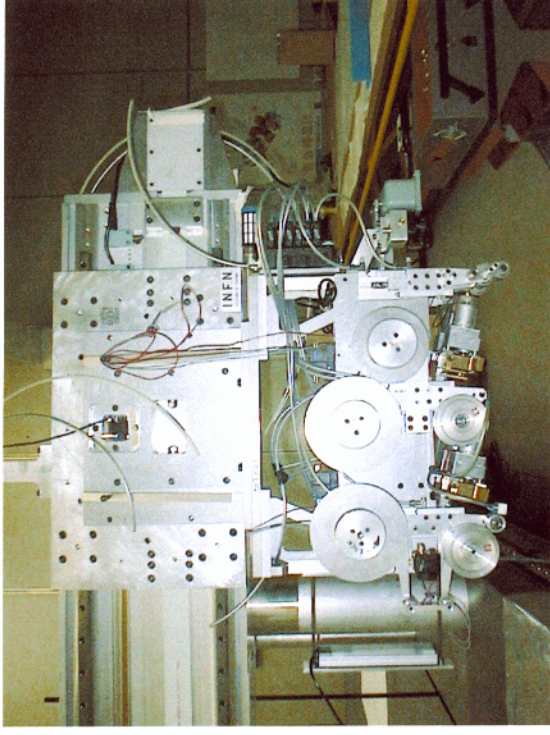
**CERN 6-6-00**

## MB4 Assembly table

- Linear guides mounted to let full measurement of the iron-cast basement geometry (with laser system).
- Distances of locating pin holes, measured to be within specs (48 holes H7 positioned within 0.050mm).
- Linearity of fixing caves within 0.05 mm
- Parallelims of linear guides with table surface better than 0.020mm.
- Surface planarity within 0.15mm on full area.
- ...we are quite satisfied!

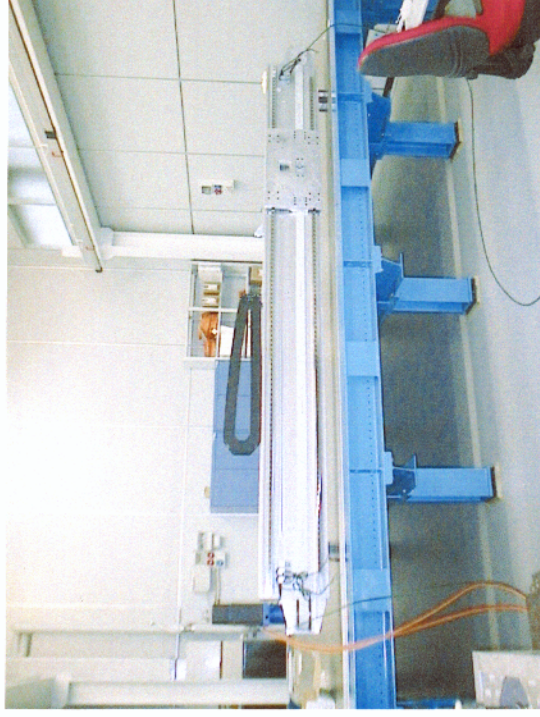
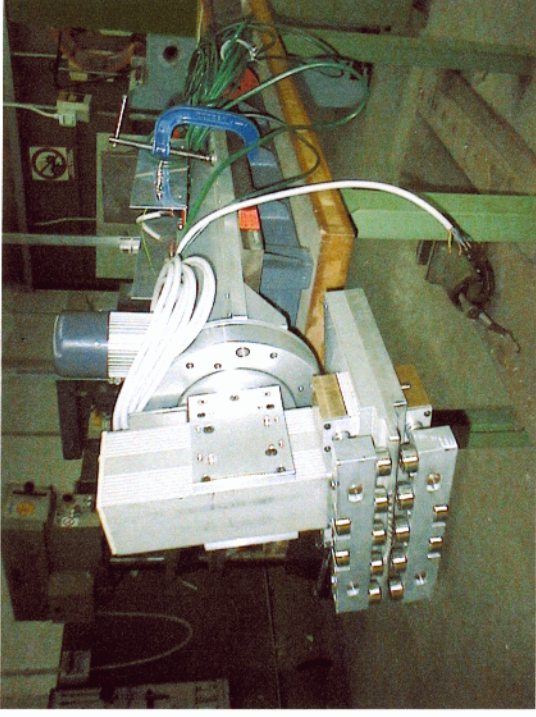
## Strip table (update)

- Axis motor, moving system, end-switches mounted and operational
- Heidenhain optical linear encoder and sensor mounted and operational
- prototype software installed (monitor both motor and linear encoder)
- strip head installed and being cabled



# Plate Cutter Table (update since Torino)

- Axis motor, moving system, end-switches, mounted
- prototype moving software operational
- head completed: rotational end-switches and lock-position pneumatic mast being added
- alarm and relays interface box completed (interface between CLC, motor CPU and digital I/O system, and external devices)



## To be done to complete both tables

- Last parts missing to complete assembly are the axis moving system (axis supports and chariots). CINEL will send them to Torino tomorrow (1 month delay, 50% delay in design submission, 50% in manufacturing).
- Axis movement software and tool on axis movement software will proceed in parallel.
- First plate cutting hopefully in 1 month, but this is the really crucial step!
- First strip deposition in 1.5 month, if plane cutting table installation without problems.