

A.Staiano CERN 7-november 2000

# CMS-DT Field Strip Plates @ Torino

- Status report of the production line
- Schedule update
- Material procurement

Transparency shown last meeting  
27-sept 2000

# Plate Cutting Table

- Table and cutting head assembled and operational. Preliminary cuts on aluminum plates very satisfactory (good cut quality at 120mm/sec speed) and excellent swarf removal.



# Plate Cutting Table

Table used to cut foam and aluminum plates to build AI plates handler  
(used both for moving plates and turn them upside down).



# Al Plate Holder

...the final object

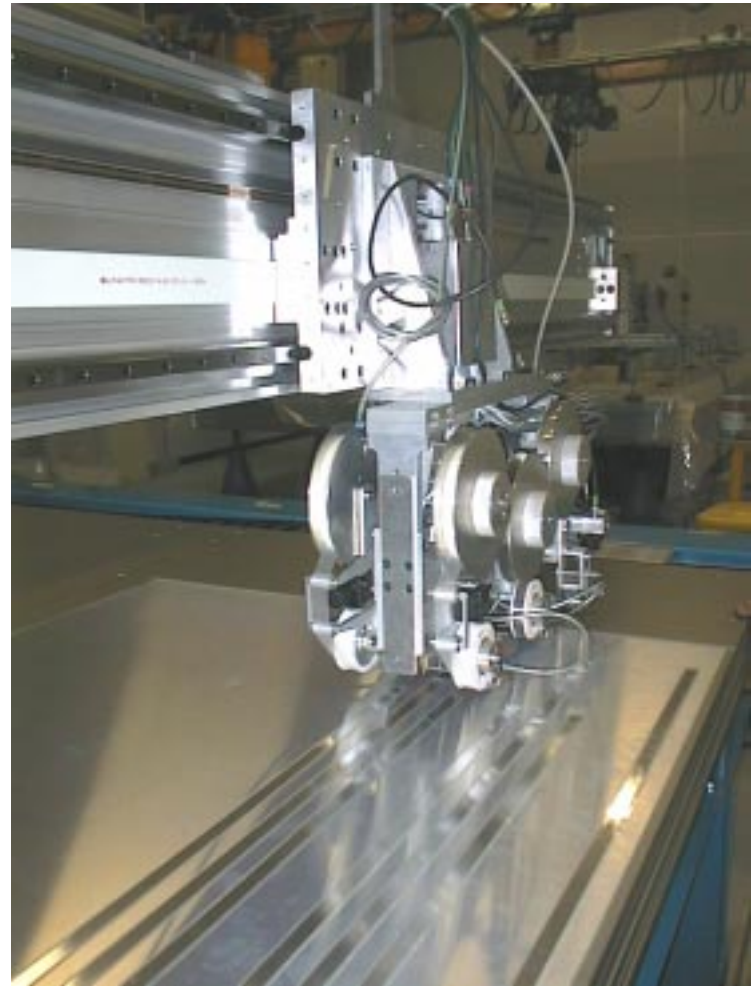
Dimension = MB4

Weight = 175 kg

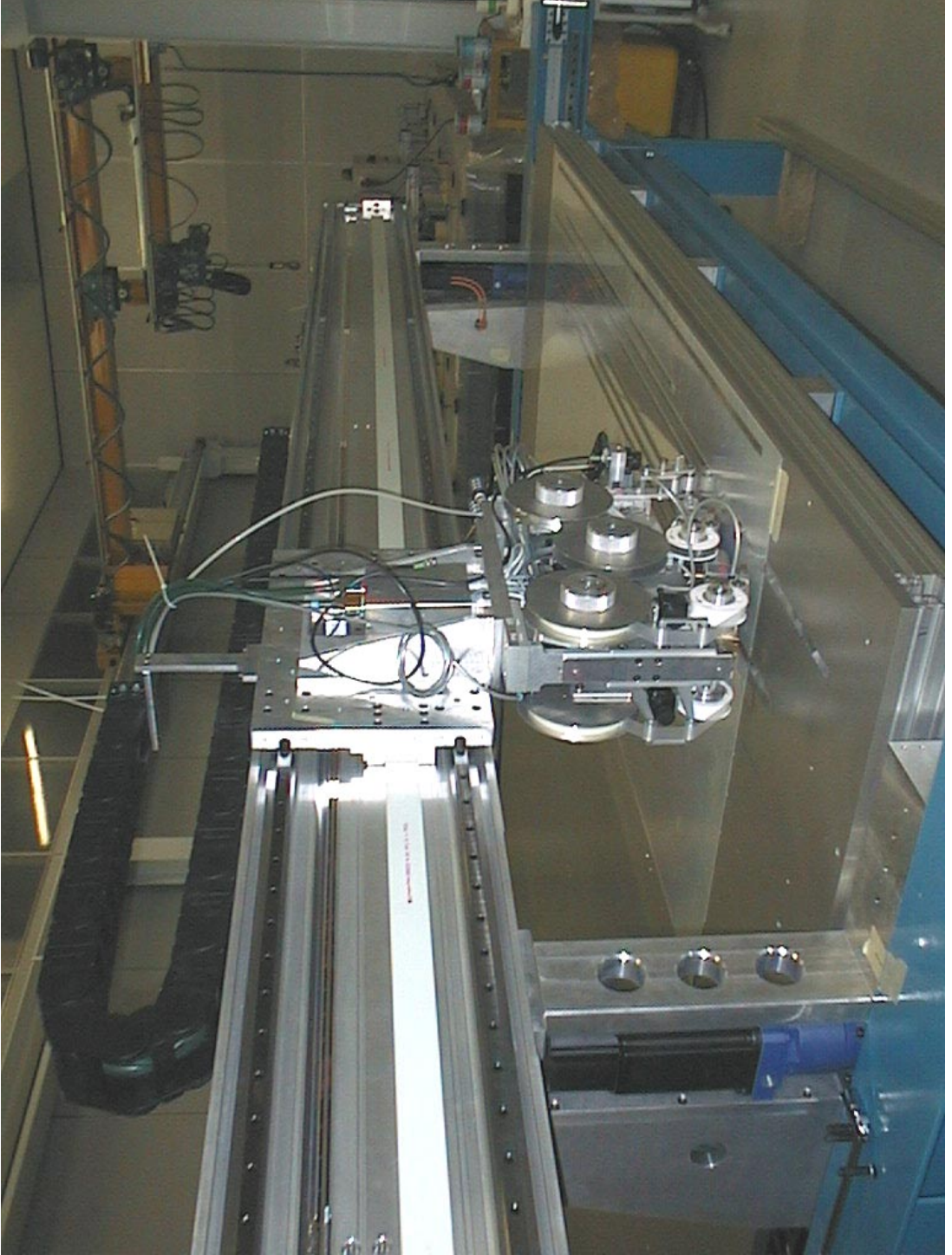


# Strip Table

- Head debugging started:
  - application programs in progress
  - hardware tuning in progress  
(relative tape position, cutter positions, working distances)
  - some parts being rebuilt in teflon



# Strip Table



From transparency shown last meeting

27-sept 2000

# Strip Table

- To be done:
  - 1) complete cabling of all devices on table **DONE**
  - 2) align axis supports and mount main axis **DONE**
  - 3) complete head cabling **DONE**
  - 4) complete head debugging and camera monitoring
  - 5) **calibrate movements and measure ortogonality**
  - 6) complete software for user-*friendly* utilization

Step 5 will be done in parallel to preproduction.

Time estimated to start deposition of real strips 3-4 weeks.

We will start preproduction and send the first batch of 15 plates (MB2) as soon as it is ready, reasonably witin the first decade of november .

**Comment: 2 weeks lost in rewriting table homing software, within this delay we keep this time estimation**

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27-sept 2000

## HV Test

- Mechanics, electronics and software is ready. Only cabling is still missing.

Time estimated to have this device fully operational is 1 week.

**DONE**





# Material Procurement

Pechiney has sent to CERN the first batch of plates:

- 1 box with 40 plates 5300x2550, weight 2.8 t
- 1 box with 35 plates 5300x2550, weight 2.3 t
- 1 box with 20 plates 4150x2550, weight 1.1 t

The plan is to send 75 5300x2550 plates to Torino for preproduction backup and the 4150x2550 to JINR. If we all agree I will organize asap the transport to Torino.