

AUTOMATIC HEAD CHANGING FUNCTION AT MACHINING CENTERS

GANEA Macedon¹, HORGE Ioan²

1. University of Oradea, 2. Stimin Oradea

Keywords: *Automatic head changing*

Since 1986 the Automatic Head Changing function (AHC) was introduced at the vertical and horizontal machining centres from the manufacturing program of the machine tool factory Infratirea Oradea.

At this stage was preformed one modular system covering the anchor modules, the heads family and the automatic preceding.

Even the CNC technical level was very low, some vertical and horizontal machining centres were assimilated at these factory

Today the technical level of the CNC is much high and also several anchor modules from Cytec as sample, that can assure many possibilities in this field.

The AHC function is today necessary in order to increase the machine versatility, including the applications in the field of the **5 axes machining concept**.

The representative sample is the AHC extension at the bed type horizontal travelling column machine FPM 1000 from S.C STIMIN factory.



Fig. 1–FPM 1000

BIBLIOGRAPHY:

[1] –Ganea M. - *Masini si Echipamente Tehnologice pentru Prelucrarea in 4-5 axe CNC*, Ed. Univ. din Oradea, 2004.