

TOOL HEAD FOR MACHINE-TOOLS

ABSTRACT OF THE DISCLOSURE

5 A tool head, in particular a fine adjustment head
for use in machine-tools, may be coupled to a rotary
machine spindle (26) and has a slide (16) that may be
adjusted transversely to the axis (12) of the base body
and is provided with a projecting tool-receiving part
10 (14) on its front face. A measurement arrangement (18)
is provided for directly measuring the adjustment path of
the slide (16) in relation to the base body (10). The
tool head further has an adjustment motor (20) that acts
on the slide (16) in the direction of adjustment and an
external current supply arrangement (22) for electronic
15 components integrated into the tool head and for the
adjustment motor (20). In order to obtain a compact
design with high adjustment precision, the adjustment
motor (20) is arranged with its cylindrical housing (45)
in a recess (46) of the base body (10) that extends
transversely to the direction of adjustment of the slide
20 (45) and to the axis of the base body. The recess (46)
extends across the axis (12) of the base body and the
driven shaft (48) of the motor extends parallel to the
recess (46).

This Sheet Has Been Replaced

