



New Gear Deburring Machines From American Wera

American Wera, Inc. has added three new machines to its line of gear-related machining solutions. The ZEM-180 is a new spur gear deburring machine designed to be easily adapted to new or existing gear hobbing machines. The KEM 200 and KEM 500 are bevel gear deburring machines with five-axis CNC capabilities.

Designed for limited floor space (55" x 51"), the ZEM-180 is equipped with an integrated dual-gripper pick-and-place station. Positioning this machine next to a gear hobber, you would turn the hobbing machine work station into an automatic production cell. The five-axis bevel gear deburring KEM machines are designed to deburr both toe and heel gear teeth in a single chucking. The CNC-controlled tool axis of the KEM machines swivels automatically to its programmed position. The KEM-200 can also be equipped with a ring loader and a double-gripper pick-and-place station. The KEM-500 is a larger version of the same machine. For more information contact American Wera, 4630 Freedom Drive, Ann Arbor, MI 48108 or call (313) 973-7800.

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Basic Machine Tools Unveils New Gear Hobber

Basic Machine Tools, national distributor of 75 models of gear machines, announces their new WOLF model GH32-19LS gear hobbing machine. According to W.F. Wolf, CEO of Basic, "The new GH32-19LS is a unique gear hobber, the answer to many manual horizontal hobbers so popular in the past but no longer available as new machines."

The GH32-19LS is especially suited for long shaft work. Up to 5" diameter shafts can be inserted into the work table and up through a bushing in the tailstock an unlimited distance. The new GH32-19LS can cut gears up to 32" diameter and pitches to 2.5 DP. Differential gears provide helix angles to 45°. The vertical work piece axis permits better chip fall away than the old horizontal machines. For more informa-

tion contact Basic Machine Tools, P.O. Box 36276, Los Angeles, CA 90036 or call (323) 933-7191.

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