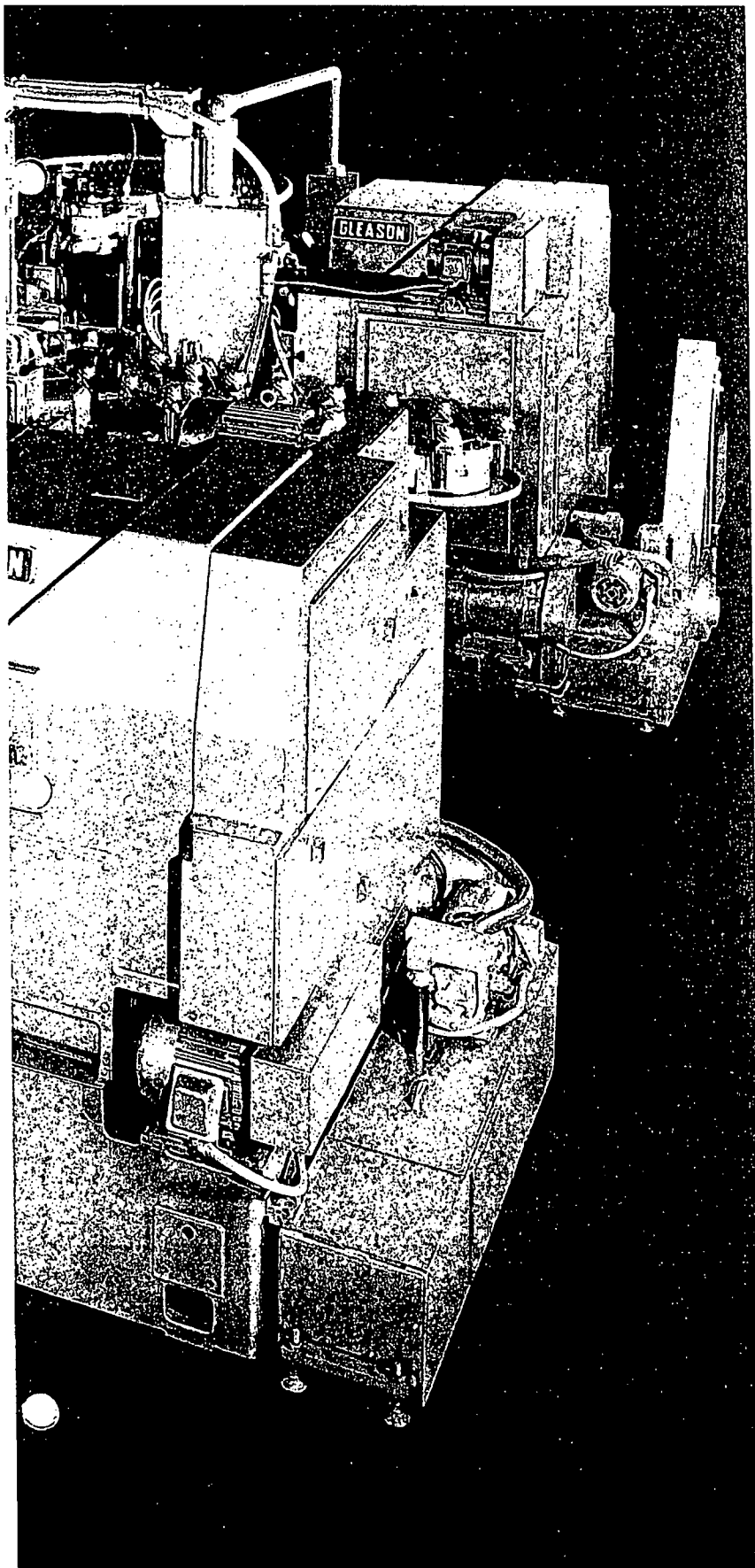




Advantages of The Complete No. 950

DRAMATIC INCREASE IN PRODUCTIVITY

One No. 950 will consistently out-produce five roughers and ten finishers of the most recent previous design.

FASTER CUTTING RATES

The tooth cutting process is composed of four separate operations interconnected by the fully automated part handling system. They are: 1) Plunge-cut roughing 2) up and down roll pre-finishing 3) drive side finishing 4) coast side finishing. Cycle time for each operation can be as low as 3.5 seconds per tooth, depending upon tooth specifications.

DIRECT FINISHING CUTTER TRANSFER

HARDAC II finishing cutters, trued on the No. 527 Cutter Inspection Machine with proximity gaging, can be transferred directly to the No. 950, without any subsequent blade truing.

IMPROVED QUALITY CONTROL

A closer pre-finishing operation, with four automatic setting changes between the cutting of drive and coast sides, leaves minimum stock for finishing.

Profile generation is more accurately controlled by improved generating and cutter drive trains.

Quality level is checked by the No. 513 Hypoid Tester arranged for soft testing.

Tooth size is more precisely controlled by the stock divider in the loader turret, and is no longer dependent upon an operator.

SMALLER INITIAL INVESTMENT

Capital outlay for a No. 950, tooled for continuous production, is approximately 50% of the investment previously required for the same production quantity. This results from the reduced number of machines, cutter heads and workholding equipment required.

LOWER OPERATING COST

When compared with overhead expenses previously incurred, the No. 950 drastically reduces direct labor, power consumption, floor space and maintenance costs of machines and tooling.