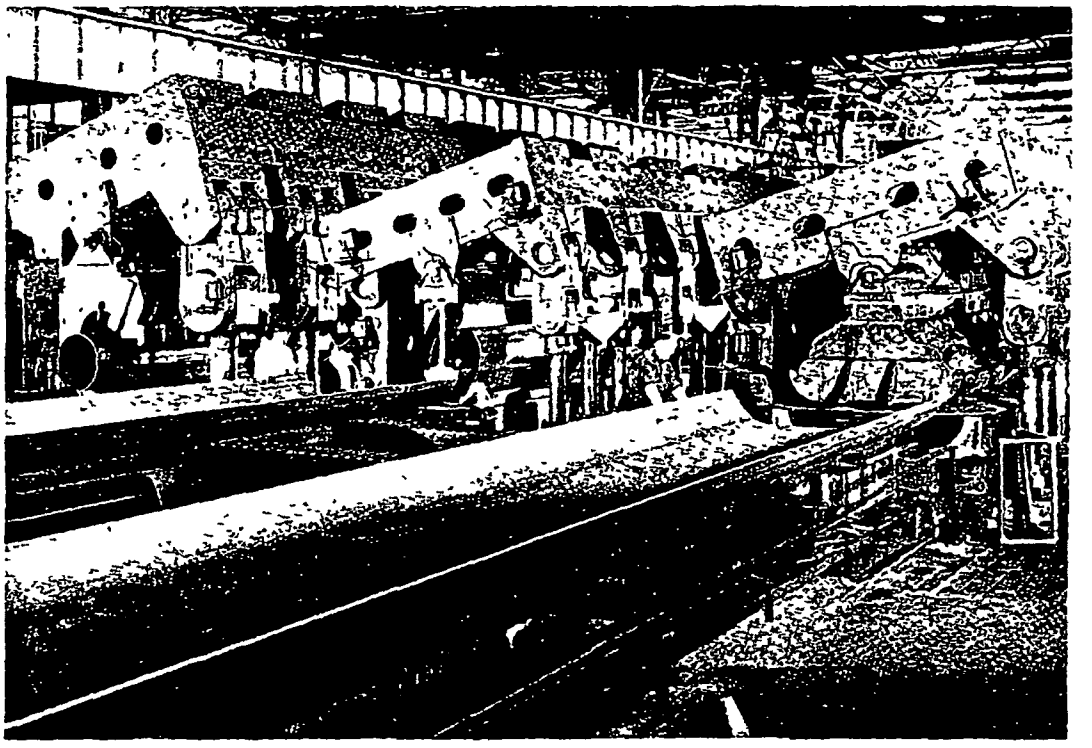


FIG 24-1 —Automated production operation forms 40-ft lengths of gas-line pipe in three stages on these presses Dual controls for each press are interlocked to keep both operators clear

The basic principles of safeguarding equipment are

1 Engineer the hazard out of the job

2 Guard the hazard

3 Educate personnel to use the safeguards provided

Engineer Hazards Out of the Job

A great deal may be done to eliminate the hazards endangering operators of mechanical equipment by anticipating such hazards when plans are being made for the department layout The following principles should be observed

1 Allow sufficient space for easy maintenance and repair and for incoming and outgoing stock

2 Mark off machine areas the same as aisles or storage areas

3 Place machines so that the operator is not exposed to aisle traffic or install a substantial railing for his protection

4 Supply racks or containers for tools, jigs, and fixtures

5 Supply seats, makeshift arrangements should not be allowed to substitute for seats

6 Supply containers for the disposal of waste materials Do not allow waste material to accumulate on floors, and empty containers promptly when they are filled

7 Supply automatic or semiautomatic feeds for machines, if possible

8 Supply area with adequate lighting In-

This chapter was revised by John Mark, based upon reviews by selected members of the National Safety Council