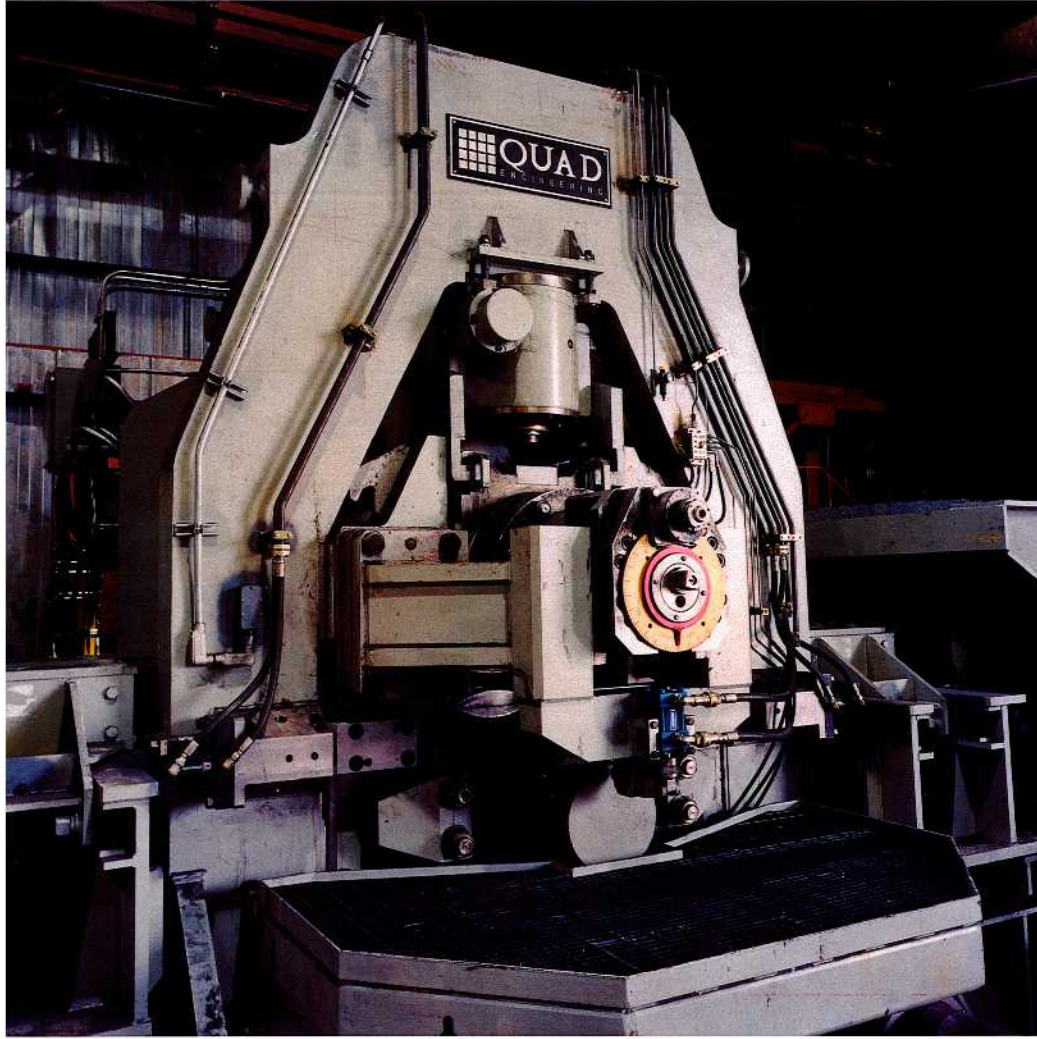


QUAD
REVERSING
ROUGHER



OBJECTIVE: To increase production and roll larger billets without increasing labor

SOLUTION: Applying a non-traditional concept—to side-shift the millstand, not the bar—Quad ensured the client could meet its production targets and increase billet size without adding operators. The engineering package for the fully automated system included all rolling and product-handling equipment, electrical systems and touchscreen-operated controls, integrated with existing foundations and equipment. With Quad's leading-edge Wide Window Cartridge System, the client can quick-change the rolls and the guides, turning up to five hours of roll change time into rolling production.



Quad Engineering Inc.
75 Scarsdale Road
Toronto, Ontario
M3B 2R2

Tel. (416) 391-3755
Fax. (416) 391-3645
e-mail: sales@quadeng.com
Website: www.quadeng.com