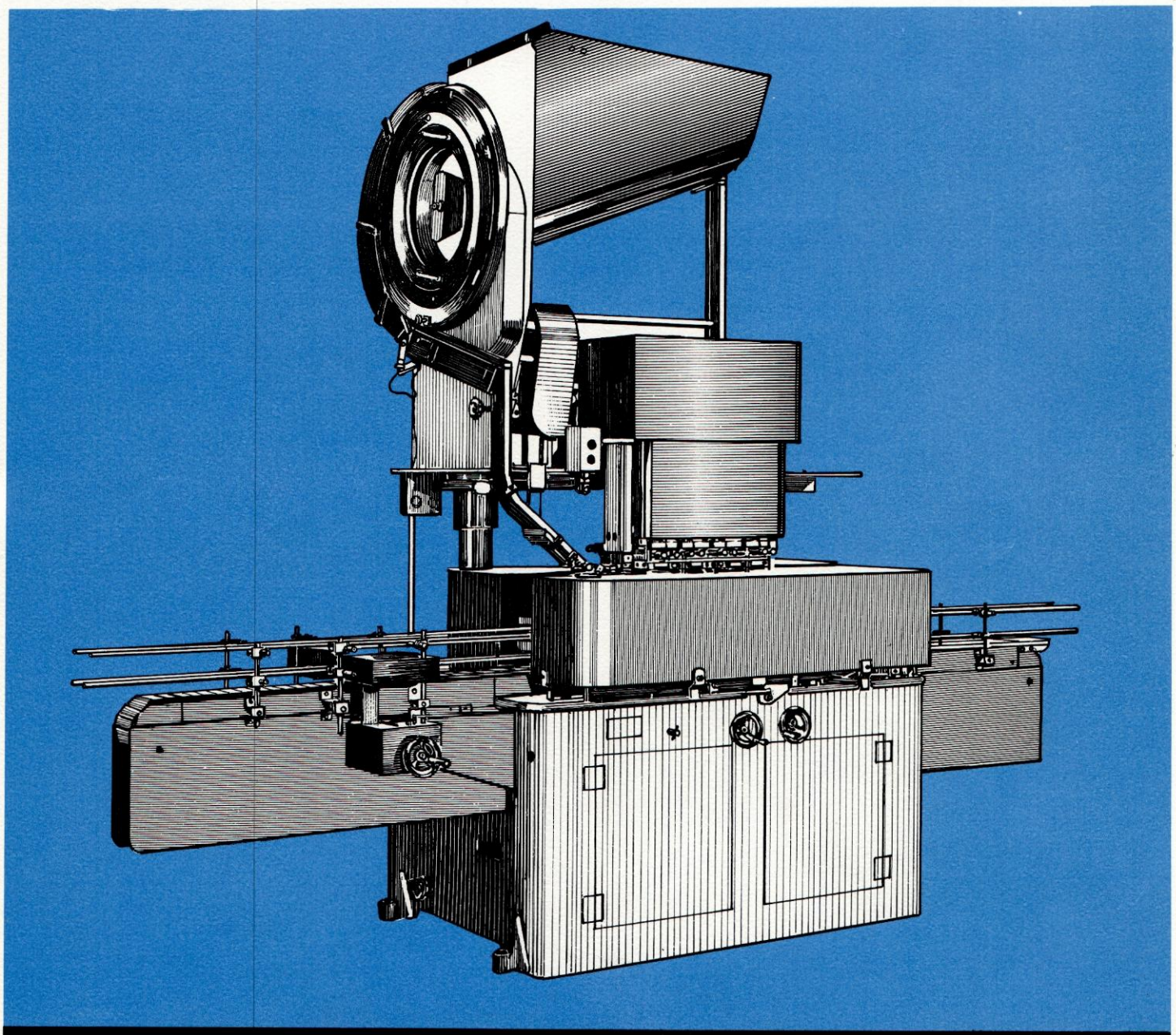
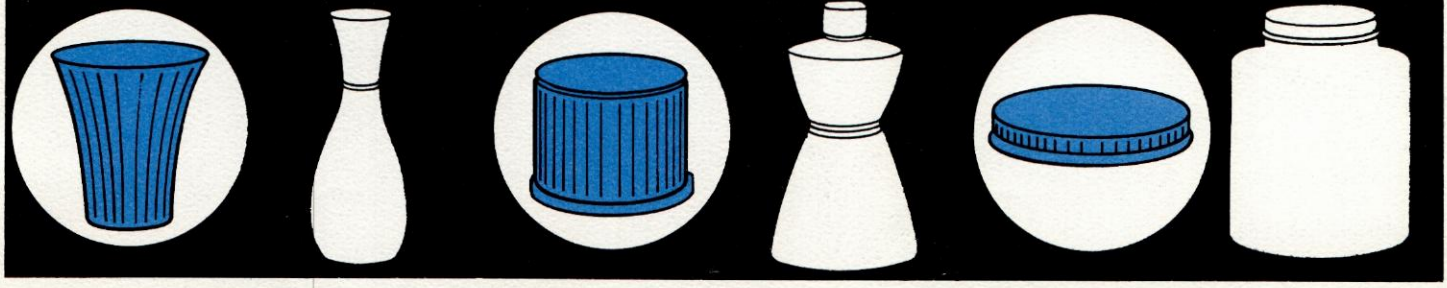
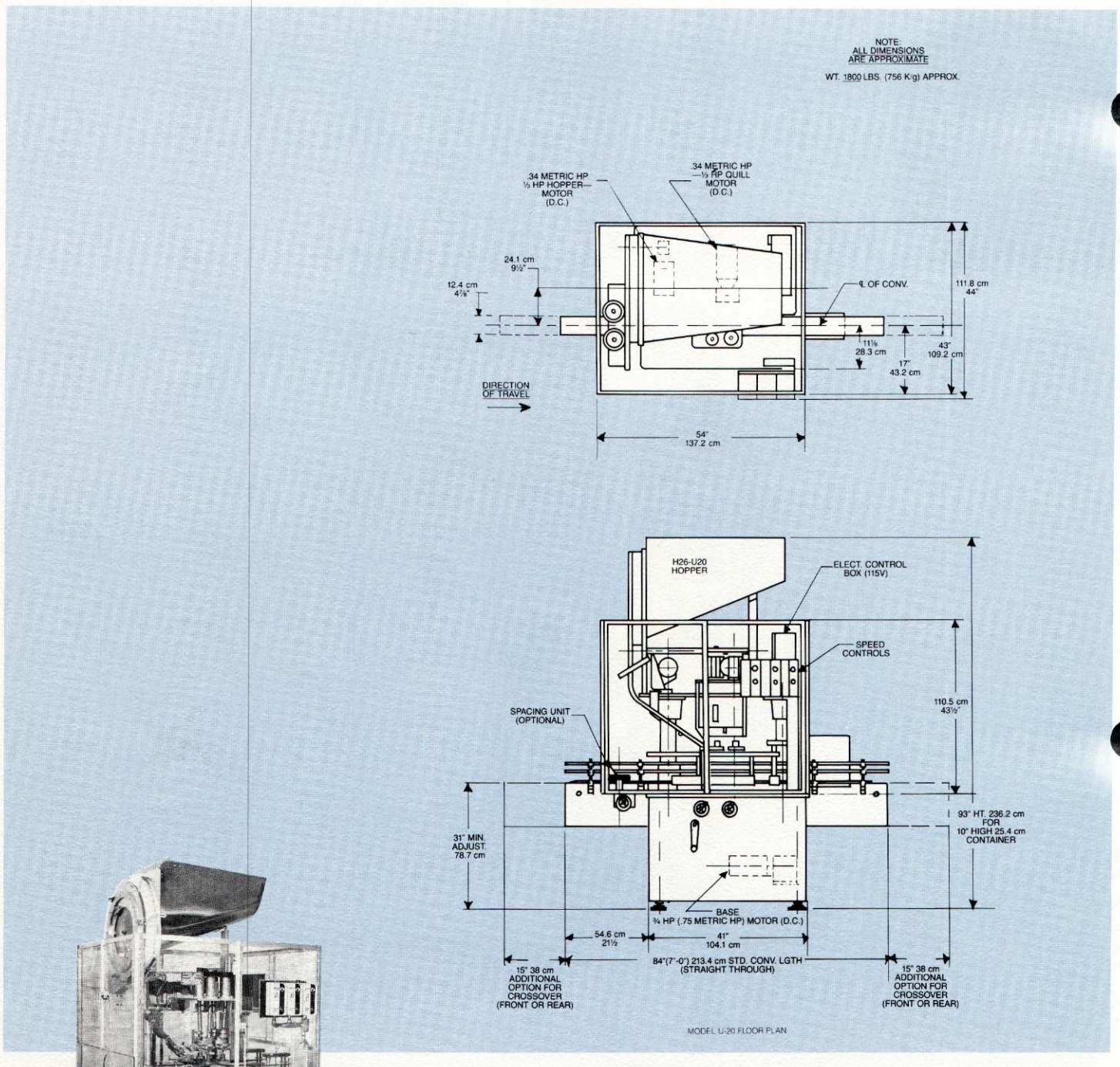
HIGH SPEED SCREW CAPPERS STRAIGHT-LINE MODEL "U" SERIES

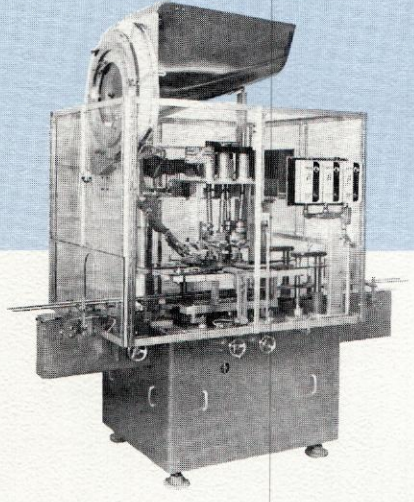
CHEMICALS & OILS
COSMETICS
DRUGS
FOODS & FOOD PRODUCTS
GLASS & CAP MANUFACTURERS
WINES & LIQUORS
HOUSEHOLD NEEDS
PHARMACEUTICALS
CUSTOM PACKAGERS





THE VERSATILE, SIMPLE TO USE, EASY CHANGEOVER CAPPERS.

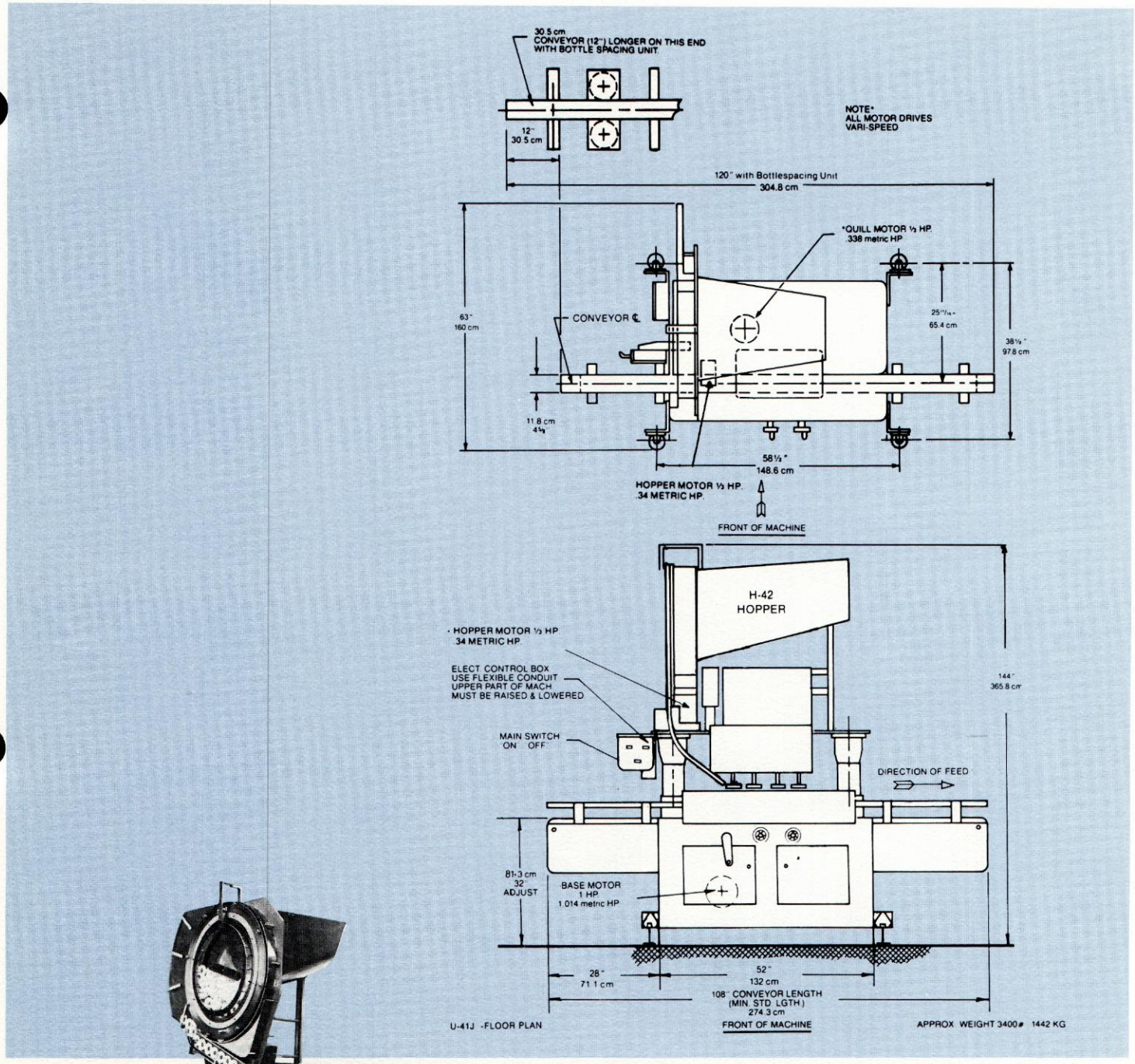


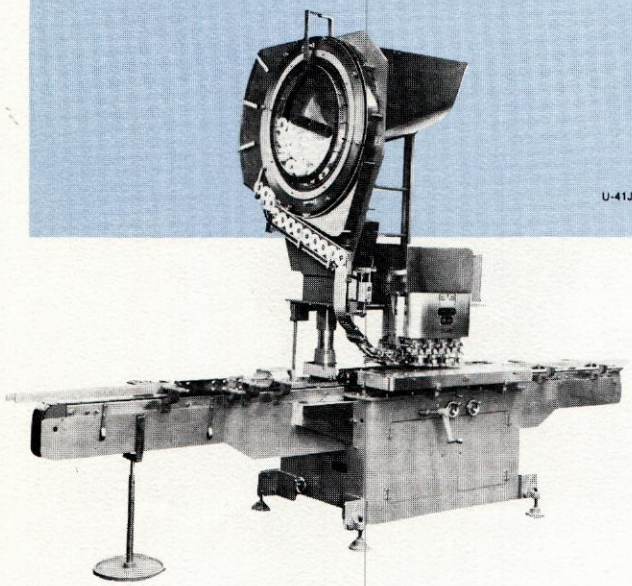


The U-20 Screw Capper is designed specifically for companies with medium-range capping requirements. Heavy duty clutches on second tightening station enhance torque control. Comes with change parts for one size closure and one size container . . . aluminum top plate and main plate . . . H-26 hopper with electric eye control . . . variable speed drive . . . Plexiglass enclosure guarding with magnetic interlocking safety control . . . and seven feet of S/S conveyor. Also, for easy maintenance, *no* painted surfaces on the machine. Safety guarding over gripper chain, as well.

Cap Ranges	10mm to 38mm
Container Ranges	1–15 inches high, 1 ounce to 1 gallon
Model U-20 Speeds	Up to 120 cpm

SPECIAL VARIATIONS QUOTED UPON REQUEST



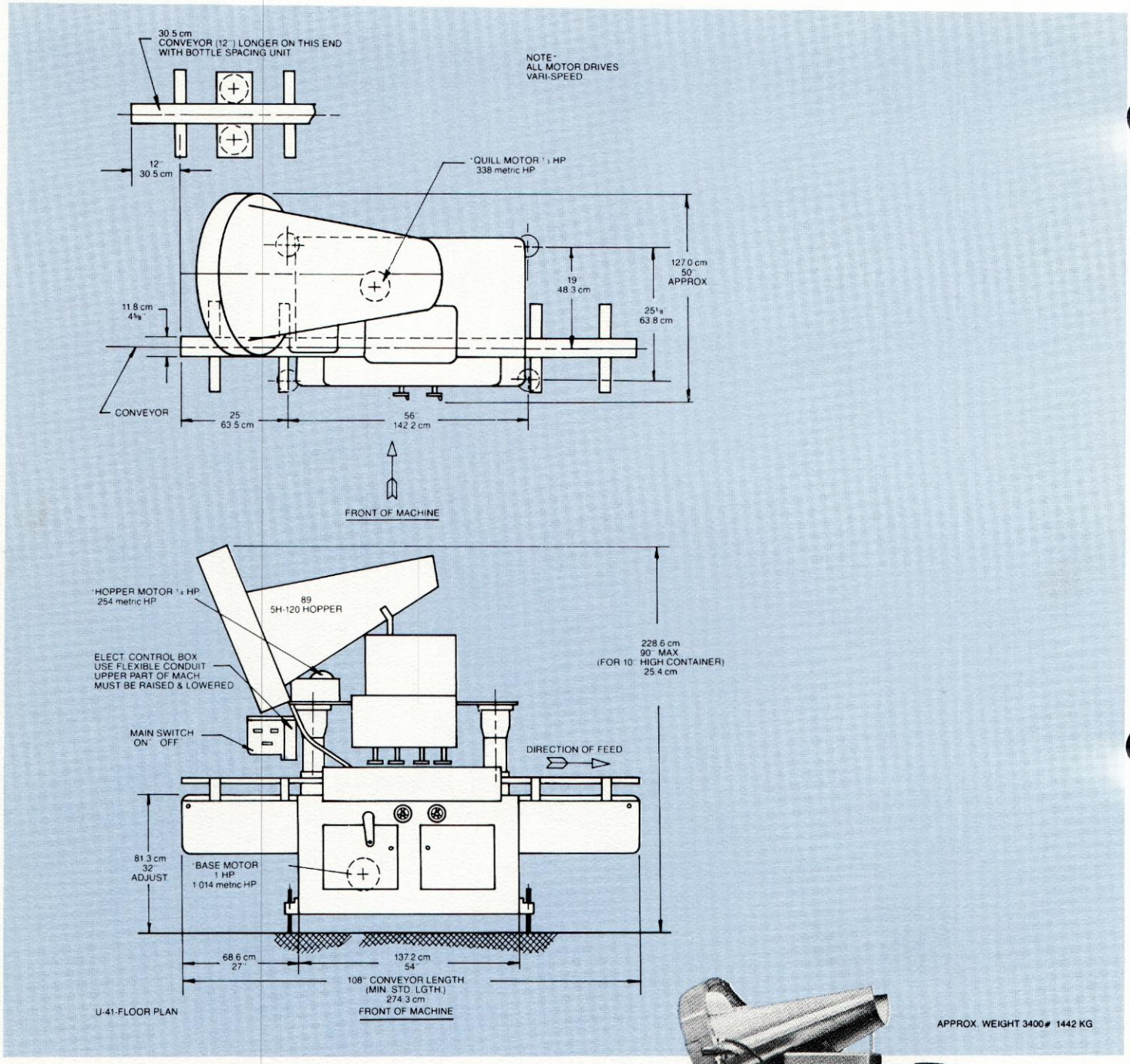


Cap Ranges Available	Model U-41-J—18mm to 89 mm
Container Ranges	Variable up to a gallon
Model U-41-J Speeds	80 to 200 (depending on cap size)

SPECIAL VARIATIONS QUOTED UPON REQUEST

Cap tightness is achieved by either three (model U-30) or four (models U-40/41/41-J) sets of opposed rotating tightening discs or wheels. Each set contacts the passing cap at two opposed tangent points and twists the cap. These discs or wheels are driven from an overhead central drive and are horizontally adjustable to cap diameter. Each is independently spring-loaded to permit the spinning discs to contact and ride as much periphery of the passing cap as possible. Correct tightness is controlled by spring setting and disc revolutions per minute via a variable speed motor drive control.

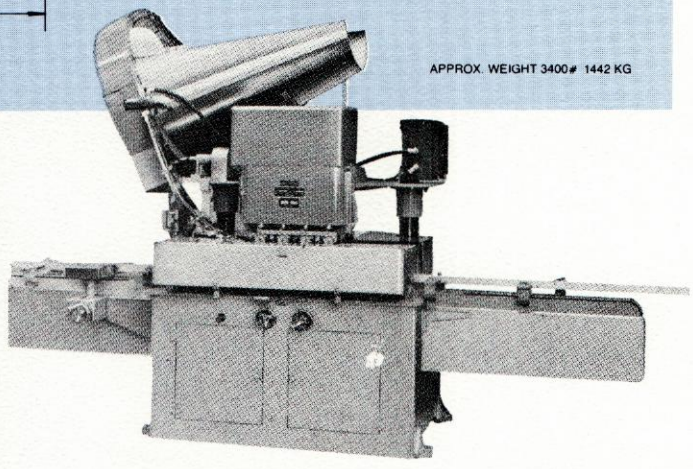
The principle of these machines has been widely accepted for efficiency, simplicity, easy changeover and wide range capacity.



This is accomplished while the container, firmly gripped, is moving along the conveyor belt. A second and third pair of opposing, rotating discs of rubber or urethane material further tighten the cap until it is seated on the container. (In models U-40, U-41, and U-41-J, a total of four (4) sets of tightening discs or wheels are used).

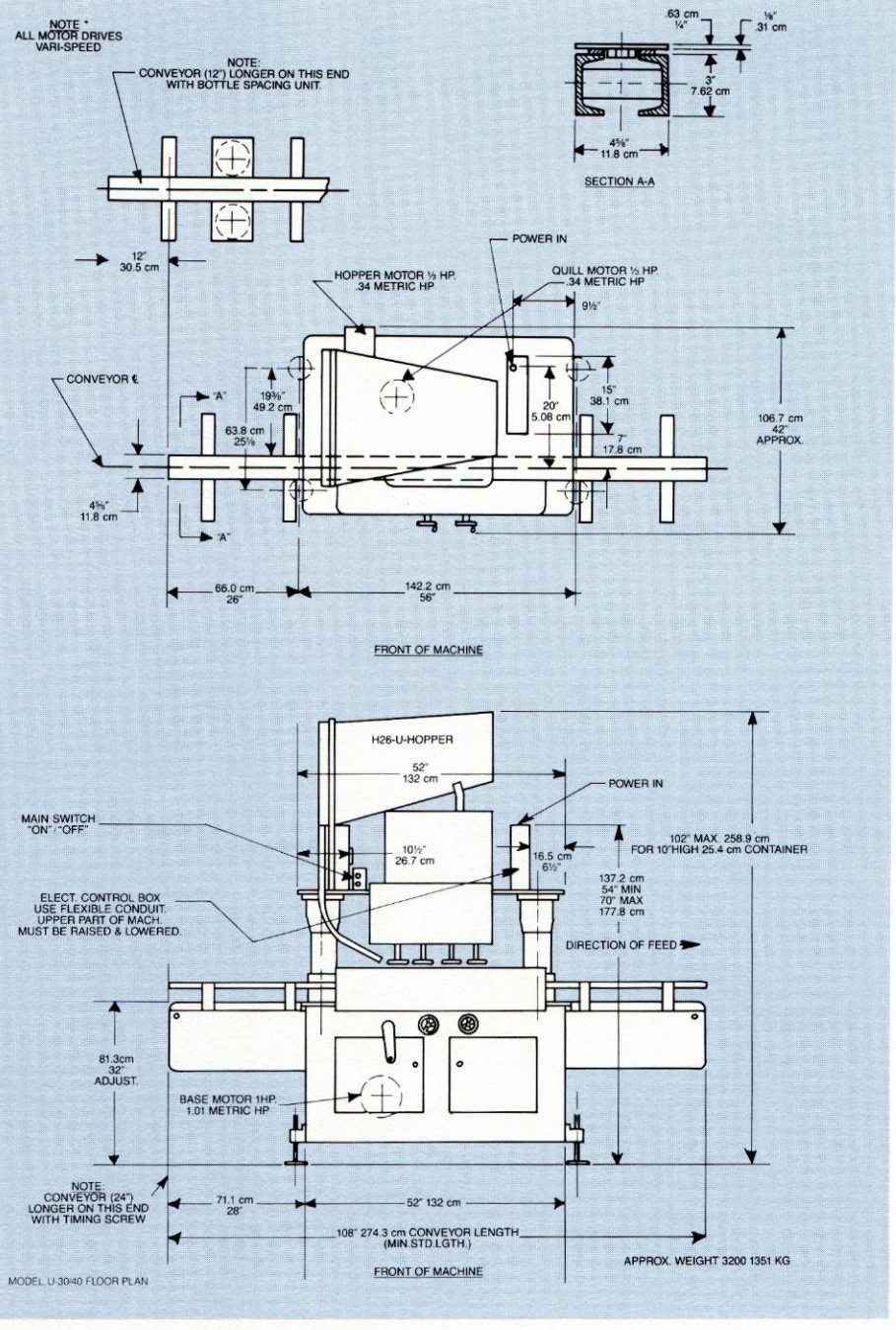
Operating speeds of all models depends on the number of oriented caps that can be delivered from the hopper. A normal range would be approximately from sixty (60) large caps to one hundred eighty (180) small caps, an average being around one hundred twenty (120) per minute. Some applications achieve up to 300 cappings per minute. Another factor influencing the operation speed is the surface speed of the conveyor belt and the number of containers that can be fed per-running foot.

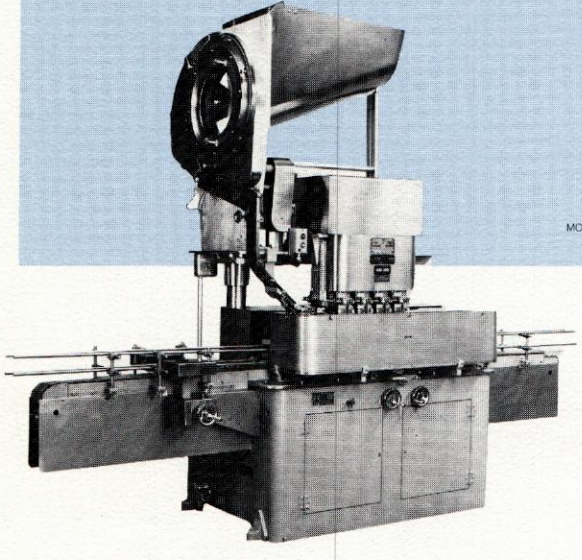
Spacing between container necks or caps of 2¾ inches (70mm) minimum is required, since this is the length of the patented cap leveling track. When running containers with a diameter or shape approximately the same as the cap diameter, a device to space the containers is added at the intake side of the machine.



Cap Ranges Available	Model U41—38 to 89mm
Container Ranges	2 ounce to 1 gallon bottles & jars (kits available for handling plastic containers) 56.7 grams to 3.8 liters
Model U41 Speeds	80 to 200 per minute
Model U42 Cap Range	38 to 120mm

SPECIAL VARIATIONS QUOTED UPON REQUEST





Cap Ranges	10mm to 70mm
Container Ranges	½ ounce to 1 gallon. 14.2 grams to 3.8 liters
Model U30 Speeds	60 to 150 per minute. U30 employs 3 sets of cap tightening wheel stations
Model U40 Speeds	60 to 250 per minute and higher. U40 employs 4 sets of cap tightening wheel stations.

SPECIAL VARIATIONS QUOTED UPON REQUEST

Machine Operation of Resina Capping Machine Models U-30/40

These capping machines were developed to accommodate wide container and cap ranges with a minimum of change parts. In order to accomplish this, a straight line design principle is used without starwheels, feed screws, or timing mechanisms. All containers enter a conveyor belt and continue straight through the machine.

A set of specially designed moving gripper chains hold the passing containers at their sides and gently carry them through the cap applying cycle. This gripping action is extremely smooth and, consequently, prevents product spillage, a common problem with machines using starwheels. For soft, wide mouth containers or with any soft plastic materials, special pocket chains are used to prevent squeezing during any step in the procedure. The capping operation is very simple. A cap hopper and orienting device feeds the cap down a chute directly over the container flow line. A specially designed chute-end holds the first cap in proper position so that each passing container engages its own cap, pulls it out of the chute-end and carries it along on guide tracks to the first tightening wheels. A patented cap guide holds the cap level, preventing cocking or crossthreading.