

VH CENTRIFUGAL BARRELS



Standard CB Models 30, 60, 100 with horizontal barrels, variable speed, process timer, jog forward and reverse with quick disconnect.

The centrifugal barrel consists of 4 hexagon barrels mounted on the periphery on a variable speed turret. The turret rotates while each barrel continually rotates on its own axis in the opposite direction. This motion develops a "G" force in each barrel resulting in an extremely high rate of sliding action and pressure which greatly reduces time cycles. These machines can be used wet or dry with a wide variety of media and compounds. Application results range from very aggressive deburring of hard alloys to the low micro finishes on jewelry. Part size varies from small or miniature to larger parts that would require extensive hand finishing or long processing cycles in conventional barrels or vibrators. We offer two types of centrifugal barrels. The standard CB models have horizontal mounted barrels, whereas the BDTB models have angled or tilted barrels which combine a centrifugal force with a "Figure 8" action to produce parts with exceptional deburring and edge radiusing in even shorter time cycles.



CBTB Models with angled barrels to produce "Figure 8" action for exceptional processing. Pictured are 8 half barrels to process several different parts at the same time.



Features

The CB series centrifugal barrels feature a motor, 4 removable barrels, spring loaded barrel locks, barrel cradles & replaceable barrel liners. The motor base is mounted on an adjustable bolt which can be moved up or down to adjust tightness of the motor belt. The drive consists of timing belts which allow precision drive and quiet operation. A sliding door in the center of the unit facilitates loading of the barrels into the cradles. The rotary plate is composed of a timing belt assembly, chief axis, gear and four barrel assembly. The inner cartridge polyurethane barrels can be easily replaced when they wear out. The CB machines have a steel cover and sliding door with a safety lock for safe operation. The machines have dual left and right side shutters for ventilation.



Electrical Panel & Electrical System

The CB machines have a complete control panel and electrical system. The controls feature on/off push buttons, jog forward and reverse of barrels as well as forward and reverse turret controls. There is also a process timer which stops the machine and buzzes at end of cycle. The machines also are equipped with a world class inverter for precision speed adjustment to match the specific requirements needed for various processing cycles. The machines have an AC electromagnetic brake and a two way on/off switch for safe operation.

Model #	CB-30	CB-60	CB-100
Barrel Speed	Variable	Variable	1-160 RPM
Motor HP	2.0	3.7	7.0
Barrel Capacity	.250 cu.ft.	.500 cu.ft.	1.250 cu.ft.
Barrel Dimensions	11 $\frac{5}{8}$ " x 6 $\frac{1}{2}$ "	16 $\frac{3}{8}$ " x 8 $\frac{1}{4}$ "	18 $\frac{5}{8}$ " x 10"
Machine Dimensions	37"W x 40"L x 48"H	48"W x 39.5"L x 61"H	60"W x 53"L x 64"H
Shipping Weight	880 lbs.	1380 lbs.	1984 lbs.
Maximum Load	1.0 cu.ft.	2.0 cu.ft.	5.0 cu.ft.

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