

TB-4 Production Bulk Tumble Barrel

Most applications today using directional blasting cabinets require hand-held guns for part processing but there are some parts that process better and faster using batch loads. This is the function of all tumble basket and tumble barrel models.

All Media Blast Tumble Barrels are listed as a machine options. While the option can't be purchased without purchase of a machine model, this does allow the option to be added to any machine model, wet or dry, with and without pneumatic conveyor for standard to ultra-fine abrasive. Siphon, Direct Pressure and Wet are the cabinet choices. The TB-4 is a full production Tumble Barrel Option with no operator station or tiled view window. It can use the largest barrel size, 22" diameter, but also is available with a smaller barrel installed for short part loads on barrel two. Because it's a barrel and not a basket it has the fastest random part mixing for the fastest possible cycle time only requiring a single gun inside the barrel. The TB-4 uses two variable speed drives, two 1-1/2" diameter support shafts and two barrels for up to 50-pound part loading or one smaller barrel for smaller short loads. This unit normally has a cycle time of 20-25 minutes for 50-pound of smaller bulk part loads.

This model is commonly used to remove heat-treated scale, prepare and clean parts for center-less grinding application or surface finish parts in batch loads before assembly. It is standard with the attached 440 sq.ft. auto cleaning, timed cleaning, vibrator dust collector. Two TB-3 machines will have a total of 880 sq.ft. of filter area, will produce more volume than the TB-4 model only having 440 sq.ft.. Because the part load protects the barrel during operation, the TB-4 unit will be able to extend barrel screen life when processing short or small part loads when a smaller barrel size is installed on one of the two barrels.

FEATURES INCLUDED WITH ALL TB-4 OPTION

Special square cabinet design, 48"x36",
Two variable speed 90 volt DC drives with 0-29 rpm 1/2 H.P. drive assemblies
Two barrels, one large & one small or two 22" diameter
Two 1-1/2 inch diameter rotation shafts with bearings
Two rotation shaft guards
Two safety door interlocks
Two 50 cfm tungsten carbide blast nozzles
Two solenoid operated guns
Two fixed gun holder assemblies
Two Jog control circuits
Two 0-60 minute solid state plug-in timers
Perforated metal grate overlay
Special flat window observation view window
Expanded to 440 sq.ft., 1100 cfm 2 hp blower with single power source std.
Automatic timed pneumatic vibrator cleaning cycle

OPTIONS

Ambient air dryer
Rubber dipped parts barrel
Barrel pop-out shields for light parts
Side tables available with height correction for jog barrel unload into customer supplied tote pans
Boron carbide nozzle upgrade, 2 each
Timed reverse pulse cleaning cycle upgrade on dual cartridge dust collector with 2 hp blower
HEPA after filter for greater dust collector efficiency
Maintenance hour meter
Timed part blow-off cycle
Visible end cycle indicator light
Can be purchased less dust collector for operation using central dust collector

TB-4 Tumble Barrel



TB-4 Dual Tumble Barrels Std. w/ optional side tables



TB-4 shown with optional rubber dipped barrels and timed blow-off circuit

Work Area	Overall	Dust Collector	Electrical
Door Opening 48"x36"x36"H	60"x51"	440 sq.ft. 700 cfm auto cleaning	Single Power Source 230 to 480 volt
Door 30"x31"H	x90"	Internal Separator	

TB-4 models include the High-Voltage Single Power Source standard with included transformer for operations of all controls and options

TB-3 Bulk Production Tumble Barrel

Most applications today using directional blasting cabinets require hand-held guns for part processing but there are some parts that process better and faster using batch loads. This is the function of all tumble basket and tumble barrel models.

All Media Blast® Tumble Barrels are listed as a machine options. While the option can't be purchased without purchase of a machine model, this does allow the option to be added to any machine model, wet or dry, with and without pneumatic conveyor for standard to ultra-fine abrasive. The TB-3 is a full production Tumble Barrel Option with a special square cabinet design and no manual blasting station. Normally a special 36"x 36" square cabinet model, wet or dry, for a compact machine footprint. It uses the largest barrel size, 22" diameter, and operates using up to 50 cfm of compressed air to eliminate part damage caused by blast gun slamming. Because it's a barrel and not a basket it has the fastest random part mixing for the fastest possible cycle time. Speed of processing, fast barrel unloading, and low air usage is important with any production tumble barrel requiring only one single 50 cfm blast gun. The TB-3 uses a variable speed drive for perfect part speed vs cycle time, a 1-1/2" diameter support shaft and a 22" diameter barrel for up to 50-pound part loading. This unit normally has a cycle time of 20- 25 minutes for a full barrel load. The TB-3 is commonly used to remove heat-treating scale, prepare, and clean parts for center- less grinding application or surface finishing and blending almost any part in batch loads before final assembly without part color change. The TB-3 has the largest attached dust collector, 440 sq.ft. of cartridge filter dust collector, and an automatic timed pneumatic vibrator dust collector cleaning cycle. It can also be purchased less dust collector for operation on our 4-cartridge 880 sq.ft. dust collector. Use with any existing central dust collector, cfm required must meet machine requirements.

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TB-3 Tumble Barrel



**TB-3 Industrial
Tumble Barrel**

Shown with Optional Stack Light, Rubber Dipped Barrel and Side Table



**N-200 Industrial Siphon w/
Optional Side Table Custom Height**

FEATURES INCLUDED WITH ALL TB-3 OPTION

Special square cabinet design
Variable speed 90 volt DC drive
with 0-29 rpm 1/2 H.P. drive
assembly
22-inch diameter barrel
1-1/2-inch diameter rotation
shaft with bearings
Rotation shaft guard
Safety door interlock
50 cfm tungsten carbide blast
nozzle
Solenoid operated gun
Fixed gun holder assembly
Jog control circuit
0-60-minute solid state plug-in
timer
Perforated metal grate overlay
Special flat window observation
view window
Expanded 440 sq.ft. 700 cfm
blower cartridge dust collector
Automatic timed pneumatic
cleaning cycle
Standard electrical, 120 volt,
optional high-voltage single
power source available

OPTIONS

Ambient air dryer
Boron carbide nozzle upgrade
Rubber dipped parts barrel
Barrel pop-out shield for light
parts
Side table available with height
correction for jog barrel unload
into customer supplied tote
pans
Timed reverse pulse cleaning
cycle upgrade
2 hp blower, 1100 cfm upgrade
HEPA after filter for greater
dust collector efficiency,
requires 2 hp blower upgrade
Maintenance hour meter
Timed part blow-off cycle
Visible end cycle indicator light
Can be purchased less dust
collector for operation using
central dust collector
Optional High-Voltage single
power source available
Magnahelic dust collector
monitor gauge
Enclosed dust discharge

Work Area	Overall	Dust Collector	Electrical
Door Opening 36"x36"x36"H Door 30"x31"H	48"x51"	440 sq.ft. 700 cfm auto cleaning Internal Separator	Single Power Source 230 to 480 volt

TB-2

Most applications today using directional blasting cabinets require hand-held guns for part processing but there are some parts that process better and faster using batch loads. This is the function of all tumble basket and tumble barrel models.

All Media Blast Tumble Barrels are listed as a machine options. While the option can't be purchased without purchase of a machine model, this does allow the option to be added to any machine model, wet or dry, with and without pneumatic conveyor for standard to ultra-fine abrasive. Look to the model added to for all the other standard features. TB-2 Tumble Barrel Options are always added to a 48" wide cabinet to permit off setting of the manually operated blast station.

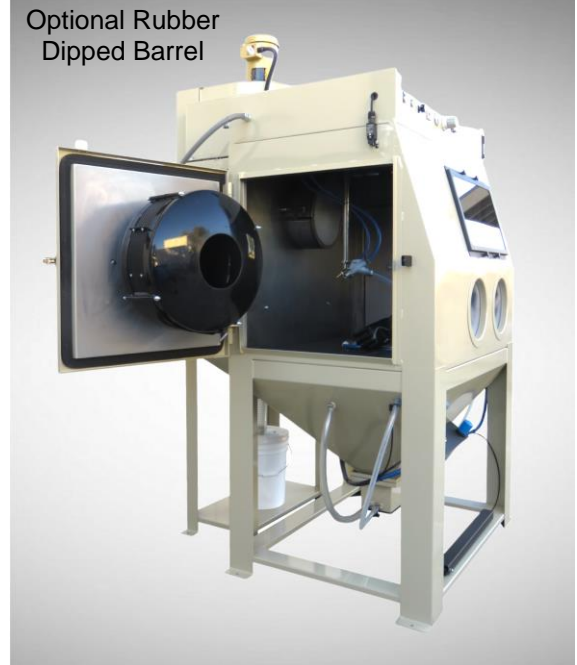
The TB-2 tumble barrel, unlike the TB-1, uses the HD, Industrial 90-volt DC 1/2 hp variable speed drive assembly. A 20" diameter tumble barrel is standard with 1-1/2" support shaft capable of handling almost the same loads as the dedicated Production TB-3 that has no manual blasting station.

The TB-2 option includes the second abrasive gun, solenoid operated blast control, fixed gun holder, jog barrel controls, additional HD tumble barrel side access door and all controls for the 1/2 hp DC variable speed drive motor assembly complete with mechanical timer, and safety door interlock.

This unit often includes upgrades to the standard dust collector allowing additional options like dual filter and automatic vibrator cleaning cycle. Choose the TB-2 when you also require only some barrel or mostly manual blasting unlike the TB-1 that requires only some batch load processing.

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TB-2 Tumble Barrel



Optional Rubber Dipped Barrel

**TB-2 Option + Machine Model =
TB-2 Tumble Barrel Machine**

FEATURES INCLUDED WITH ALL TB-2 OPTION

OPTIONS

Variable speed drive 0-29 rpm
20-inch diameter barrel
1-1/2 inch diameter rotation
shaft with bearings
Rotation shaft guard
2 each safety door interlocks
Offset manual operator station
50 cfm blast gun for barrel with
tungsten carbide nozzle &
additional abrasive mixing valve
Solenoid operated tumble barrel
gun
Fixed gun holder assembly
Barrel jog control circuit
Mechanical timer barrel control
Additional HD machine side
access door for barrel loading
1/2 hp production variable
speed 90-volt DC barrel drive
and 120-volt electrical operation

Ambient air dryer
Rubber dipped parts barrel
Barrel pop-out shield for light
parts
Side table available with height
correct for jog barrel unload
into customer supplied tote
pans
Upgrade to 440 sq.ft. dual dust
collector using standard 700
cfm blower
Timed vibrator cleaning cycle
upgrade on single or dual
cartridge dust collector
Maintenance hour meter
connected to manual, tumble
barrel or both blast guns
Guarded foot pedal upgrade
Can be purchased less dust
collector for operation using
central dust collector
Enclosed dust discharge

The 48-inch-wide cabinets allow
offset of the standard operator
station and can't be added to
36-inch-wide machine models.



N-200 showing TB-2 with offset manual
blasting station and optional pop out shield.

TB-1

Most applications today using directional blasting cabinets require hand-held guns for part processing but there are some parts that process better and faster using batch loads. This is the function of all tumble basket and tumble barrel models.

All Media Blast Tumble Barrels are listed as an add-on machine option. While the option can't be purchased without purchase of a machine model, this does allow the option to be added to any machine model, wet or dry, with and without pneumatic conveyor, for standard to ultra-fine abrasive. Most TB-1 Tumble Barrel Options are added to a 48" wide cabinet to permit off setting of the manually operated blast station, required.

The TB-1 tumble barrel uses a smaller 12, 14 or 16" variable-speed barrel assembly added to any manually operated machine including the offset manual blasting station. The smaller barrel size allows the operator to process small batch sizes on parts too small to hold. The TB-1 option includes the second abrasive solenoid operated gun, gun holding fixture, jog barrel control, additional machine HD side access door for the barrel, second safety door interlock switch, and the mechanical timer barrel control switch.

Choose the barrel size right for the part volume, 12, 14 or 16 inch diameter or order an extra different barrel size with the machine.

FEATURES INCLUDED WITH ALL TB-1 OPTION

Variable speed drive 0 - 6 rpm
12, 14 or 16 inch diameter
barrel with removable door
1-inch diameter rotation shaft
with bearings
Rotation shaft guard
Offset manual operator station
Additional solenoid operated 25
cfm gun (tungsten carbide
nozzle) assembly complete with
all hoses and mixing valve
Fixed gun holder assembly
Jog control circuit
Mechanical timer barrel control
Additional machine side access
door with 2nd safety door
interlock
Attached to any 48 inch wide
wet or dry siphon or direct
pressure blasting cabinet.

The 48-inch-wide cabinets allow
offset of the standard operator
station and can't be added to
36-inch-wide machine models.

OPTIONS

Ambient air dryer
Rubber dipped barrel
upgrade
Additional tumble barrel
Pop-out shield for light parts
Side table for part barrel
unload into customer
supplied tote pan
Upgraded dual cartridge
dust collector, 440 sq.ft.
Cabinet liners
Magnahelic monitor gauge
Enclosed dust discharge
Timer attached to blast,
tumble barrel, or both guns

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TB-1 Tumble Barrel



**TB-1, Offset Manual Operator Station
2nd Door, 2nd Gun w/ Controls**



**TB # Option + Machine Model =
TB-1 Tumble Barrel Machine**

TB-5 Master by Media Blast®

Most applications today that use directional blasting cabinets require a hand-held gun for part processing but there are some parts that process better and faster using batch loads. This is the function of all tumble basket and tumble barrel machines.

The TB-5 Master is a complete Mediablaster® machine equipped with a large tumble basket, larger than the TB-5 model, used to process both large and small part loads. Small Tumble Baskets are normally removable with an open top mounted inside the cabinet. This allows small part processing for smaller loads permitting basket removal for unload. Larger parts can also be processed in the basket but total weight of the basket with parts must be considered for safety of any operator lifting rules. This type of unit will process many different part sizes and shapes. The parts and budget decide which machine is best suited for the application, basket or barrel; ask us for details about each.

The TB-5 Master is a complete self-contained machine with large dust collector and tumble basket. It includes the patented separator reclaimer for operation using 0-150 mesh abrasive. The TB-5 Master is also available in the TB-5 Master Cyclone for fine abrasives; both models include the large Industrial 440 sq.ft. dust collector. The Cyclone model includes the pneumatic conveyor for fine and ultra-fine abrasive use and 2 hp blower for the pneumatic conveyor operation. The Cyclone Master Model is used to aerate, dry and keep the finer abrasives flowing.

The Industrial 90-volt DC 1/2 hp variable speed drive is standard on the TB-5 Master model using three, (3), 1-1/2" bearings and jackshaft to support the basket for long daily operation.

Two directional basket mix using bolt on mixing paddles is standard.

*US 7,008,304

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TB-5 Master Tumble Basket Bulk Blaster



TB-5 Tumble Basket Master

MODEL	WORK AREA / DOOR OPENING	OVERALL DIMENSIONS	DUST COLLECTOR SPECIFICATIONS	STANDARD ELECTRICAL	ESTIMATED SHIPPING WT.
TB-5 Master Basket Request Info	36" x 36" x 32"H Door 30" x 27"H	40" x 51" x 90"H	440 sq.ft. dual cartridge 700 cfm blower C-III Internal Separator Automatic Timed Vibrator Cleaning Cycle	Standard Electrical 120-volt, Optional Single Power Source	Wood crate 1050 lbs

STANDARD FEATURES

- ✓ 100% welded 12- and 14-gauge CRS cabinet construction
- ✓ Bolt-On machine hopper, replaceable
- ✓ Adjustable abrasive flow-control abrasive mixing valve
- ✓ 3-Y blast gun with 3/8" tungsten carbide nozzle
- ✓ Long wear abrasive hose
- ✓ LED lighting
- ✓ Safety glass view with positive sealing window molding
- ✓ Double panel door construction with knife seal
- ✓ Lockable door handle
- ✓ Safety door interlock switch
- ✓ Precision air-regulator, air filter/water trap with pressure gauge
- ✓ Bolt-in cabinet hopper scalper screen
- ✓ 3/4 hp 700 cfm pressure blower
- ✓ Separator Reclaimer, bolt-on

- ✓ Catalyst paint
- ✓ Cartridge style dust collector with:
 - 700 cfm blower
 - 440 sq.ft. filter surface area
 - Hopper dust storage
 - Access service door
 - Automatic timed pneumatic vibrator cleaning cycle
- ✓ Variable Speed Tumble Basket Drive with:
 - 18" diameter x 16" deep parts basket standard
 - Solenoid operated blast gun with solid state timer
 - Tungsten carbide blast nozzle
 - Swing away gun mount
- ✓ Variable speed drive, DC 1/2 hp 90-volt drive with 1-1/2" support shaft
- ✓ 120-volt electrical standard
- ✓ Solid state timer control



18" Diameter Basket, random part mix

OPTIONS

- Magnahelic monitor gauge, D.C.
- Ambient air dryer
- Rubber dipped parts basket upgrade
- Automatic timed reverse pulse cleaning upgrade
- Stainless steel basket
- Jog manual basket control
- Cycle Light, Run-Stop
- Purchase less dust collector for operation on free-standing model

TB-5

Most applications today using directional blasting cabinets require a hand-held gun for part processing but there are some parts that process better and faster using batch loads. This is the function of all tumble basket and tumble barrel models.

The TB-5 is a complete machine equipped with a removable tumble basket for larger and smaller parts that will process using only two directional part mix. Tumble Baskets normally have a removable fixed basket with an open top mounted inside the machine. This allows small part processing for smaller loads permitting basket removal for unload. Larger parts can also be processed in the basket but total weight of the removable basket with parts must be considered. This type of unit will process many different part sizes and shapes. The parts and budget decide which machine is best suited for the application, basket or barrel.

The TB-5 is a complete machine, easy to operate, with dust collector and abrasive separator reclaimer for operation using 0-150 mesh abrasive. It also only uses 120-volt single-phase power. The TB-5 is also available in the TB-5 Cyclone with larger blower and dust collector. This includes the pneumatic conveyor for fine and ultra-fine abrasive use. The Cyclone model is used to aerate, dry and keep the finer abrasives flowing using a basket type machine.

STANDARD FEATURES

- ✓ 100% welded 12 and 14 gauge CRS cabinet construction
- ✓ Bolt-On machine hopper, replaceable
- ✓ Adjustable abrasive flow-control abrasive mixing valve
- ✓ 3-Y blast gun with 3/8" tungsten carbide nozzle
- ✓ Long wear abrasive hose
- ✓ LED lighting
- ✓ Safety glass view with window protector glass
- ✓ Double panel door construction with knife seal
- ✓ Lockable door handle
- ✓ Safety door interlock switch
- ✓ Precision air-regulator, air filter/water trap with pressure gauge
- ✓ Bolt-in cabinet hopper scalper screen
- ✓ 1/2 hp 700 cfm pressure blower
- ✓ Separator Reclaimer, bolt-on and patented
- ✓ Catalyst paint
- ✓ Cartridge style dust collector with:
 - 700 cfm blower, silencer optional
 - 220 sq.ft. cartridge filter surface area
 - Hopper dust storage
 - Access service door
 - Pneumatic vibrator cleaning cycle
- ✓ Variable Speed tumble Basket Drive with:
 - 15" diameter x 12" deep removable parts basket
 - Solenoid operated blast gun
 - Tungsten carbide blast nozzle
 - Swing away gun mount
 - Mechanical Timer
 - Variable speed drive, 0-6 rpm
- ✓ 120-volt single phase power operation

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TB-5 Tumble Basket



TB-5 Tumble Basket Machine

OPTIONS

Boron carbide nozzle upgrade
Blower silencer
Ambient air dryer
Rubber dipped parts basket
440 sq.ft. dual cartridge dust collector with vibrator cleaning cycle, 120 volt blower
Spare tumble basket raw steel
Spare tumble basket rubber dipped
Magnahelec DC monitor gauge
Enclosed dust discharge

