



**Known for
Reliability
Since 1921**

NEW



product line

meat saws



**MODEL 22SS
MEAT SAW
12"(305mm)**



**MODEL 22SS MEAT SAW
W/SS HEAD STRUCTURE
12" (305mm)**

	Model 22SS	Model 22SS SS Head
Saw Base:	Stainless steel body	
Head Structure:	Cast Aluminum, Movable, Ratchet Tension	Stainless Steel, Movable, Ratchet Tension
Motors:	1-1/2 HP (1.1kw), 50 or 60 Hz , 1 or 3 phase	
Blade:	5/8 (16mm) x 91" (2311mm)-4 TPI	
Blade Speed:	3000 (914m)	
Cutting Clearance:	11" (279.4mm) H x 11" (279.4mm) W	10" (254mm) H x 11" (279.4mm) W
Options (Extra Cost):	Cord and plug, watertight switch, 2 HP, 3 phase motor, stationary front table	

See technical spec. sheet for optional electrics, designs and net extras.

MODEL 1433 14" (356mm) MEAT SAW

Saw Base: Stainless steel.
 Head structure: Stainless steel, movable, ratchet tension
 Motor: 2 HP (1.5kw), 60 Hz, 1 or 3 phase available.
 3 HP (2.2kw), totally enclosed 60 Hz, 3 phase.
 Switch: Watertight magnetic starter with thermal overload and under voltage protection.
 Blade & Speed: 5/8"(16mm) x 108" (2743mm), 3550 fpm (1082M), higher speed at no cost.
 Cutting Clearance: 14" (356mm) H x 13" (330mm) W.
 Meat Carriage: Stainless steel, EZ-Flow System, 23-1/2" (597mm) L x 15-1/2" (394mm) W.
 Options (Extra Cost): See technical spec. sheet for optional electrics, designs and net extras.



MODEL 1433FH 14" (356mm) MEAT SAW

Saw Base: Stainless steel.
 Head structure: Stainless steel, fixed.
 Motor: 2 HP (1.5kw), 60 Hz, 1 or 3 phase available.
 3 HP (2.2kw), totally enclosed 60 Hz, 3 phase.
 Switch: Watertight magnetic starter with thermal overload and under voltage protection.
 Blade & Speed: 5/8" (16mm) x 108" (2743mm), 3550 fpm (1082m), higher speed at no cost.
 Cutting Clearance: 13-3/8" (339.7mm) H x 13" (330mm) W
 Meat Carriage: Stainless steel, EZ-Flow System, 23-1/2" (597mm) L x 15-1/2" (394mm) W.
 Options (Extra Cost): See technical spec. sheet for optional electrics, designs and net extras.



MODEL 3334SS 16" (406mm) MEAT SAW

Saw Base: Stainless steel.
 Head structure: Cast aluminum, movable, ratchet tension.
 Motor: 2 HP (1.5 kw), 50 or 60 Hz, 1 or 3 phase.
 Switch: General purpose, thermal overload.
 Blade & Speed: 5/8" (16mm) x 124" (3150mm), 3200 fpm (975m).
 Cutting Clearance: 13-1/2" (342.9mm) H x 15-1/2" (393.7mm) W.
 Meat Carriage: Stainless steel, EZ-Flow System, 23-1/2" (597mm) x 15-1/2" (393.7mm).
 Options (Extra Cost): See technical spec. sheet for optional electrics, designs and net extras.



Model 3334SS-4003FH-TL 16" (406mm)

Saw Base: Stainless steel.
 Head structure: Stainless steel, fixed, TL shown, right hand feed available. Full length meat gauge plate assembly (EC) shown.
 Motor: 3 HP (2.2 kw), totally enclosed 50 or 60 Hz, 3 phase or 1 phase.
 Switch: Watertight magnetic starter with thermal overload and under voltage protection.
 Blade & Speed: 5/8" (16mm) x 124" (3150mm), 4000 fpm (1219m), higher speed at no cost.
 Meat Carriage: Stainless steel, EZ-Flow System, 25-9/16" (649.3mm) L x 17-1/2" (445mm) W.
 Options (Extra Cost): See technical spec. sheet for optional electrics, designs and net extras.



MODEL 3334SS-4003 16" (406mm) MEAT SAW

Saw Base: Stainless steel.
 Head structure: Cast aluminum, movable, ratchet tension.
 Motor: 3 HP (2.2 kw), 50 or 60 Hz, 3 phase totally enclosed, 1 phase available.
 Switch: Watertight magnetic starter with thermal overload and under voltage protection.
 Blade & Speed: 5/8" (16mm) x 124" (3150mm), 4000 fpm (1219m), higher speed at no cost.
 Cutting Clearance: 13-1/2" (342.9mm) H x 15-1/2" (393.7mm) W.
 Meat Carriage: Stainless steel, EZ-Flow System, 25-9/16" (649.3mm) L x 17-1/2" (445mm) W.
 Options (Extra Cost): See technical spec. sheet for optional electrics, designs and net extras.



MODEL 3334SS-4003FH 16" (406mm) MEAT SAW

Saw Base: Stainless steel.
 Head structure: Stainless steel fixed.
 Motor: 3 HP (2.2 kw), 50 or 60 Hz, 3 phase totally enclosed, 1 phase available.
 Switch: Watertight magnetic starter with thermal overload and under voltage protection.
 Blade & Speed: 5/8" (16mm) x 124" (3150mm), 4000 fpm (1219m), higher speed at no cost.
 Cutting Clearance: 13-1/8" (333.4mm) H x 15-1/2" (393.7mm) W.
 Meat Carriage: Stainless steel, EZ-Flow System, 25-9/16" (649.3mm) L x 17-1/2" (445mm) W.
 Options (Extra Cost): See technical spec. sheet for optional electrics, designs and net extras.



meat saws

MODEL 44SSFH 18" (457mm) MEAT SAW

Saw Base: Stainless steel.
 Head Structure: Stainless steel fixed.
 Motor: 3 HP (2.2kw), 50 or 60 Hz, 3 phase.
 Switch: Watertight magnetic starter with thermal overload and under voltage protection.
 Blade & Speed: 5/8" (16mm) x 142" (3606.8mm) long, 4000 fpm (1219m), higher speed at no cost.
 Cutting Clearance: 17-1/8" (333.4mm) H x 17-5/32" (435.8mm) W.
 Meat Carriage: Stainless steel, EZ Flow System, 25-9/16" (649mm) L x 17-1/2" (445mm) W.
 Options (Extra Cost): See technical spec. sheet for optional electrics, designs and net extras.



MODEL 44SSFH 18" (457mm) MEAT SAW

Shown with optional Heavy Duty Stationary Front Table.
 See specifications to the left.

Options (Extra Cost):
 See technical spec. sheet for optional electrics, designs and net extras.



MODEL 44SSFH-LP-PGF 18" (457mm) FISH SAW

Saw Base: Stainless steel.
 Head Structure: Stainless steel, fixed, low profile.
 Motor: 5 HP (3.7kw), 50 or 60 Hz, 3 phase.
 Switch: Watertight magnetic starter with thermal overload and under voltage protection.
 Blade & Speed: 5/8" (16mm) x 135" (3429mm) long, Approx. 5000 fpm (1524m).
 Cutting Clearance: 13-15/16" (354mm) H x 17-5/32" (435.8mm) W.
 Meat Carriage: Stainless steel, EZ Flow System, 25-9/16" (649mm) L x 17-1/2" (445mm) W.
 Options: Cord and plug, stainless steel saw blade wheels.
 Options (Extra Cost): See technical spec. sheet for optional electrics, designs and net extras.



MODEL 55 22" (558mm) MEAT SAW

Saw Base: Stainless steel.
 Head Structure: Stainless steel, fixed.
 Motor: 5 HP (3kw), 50 or 60 Hz, 3 phase totally enclosed.
 Switch: Watertight magnetic starter with thermal overload and under voltage protection.
 Blade & Speed: 3/4" (19mm) x 164-1/2" (4178.3mm), 3880 fpm (1182.6m), higher speed at no cost.
 Cutting Clearance: 20" (508mm) H x 21" (533mm) W.
 Meat Carriage: Stainless Steel, EZ-Flow System, 28-3/8" (720mm) L x 19-3/8" (492mm) W.
 Options (Extra Cost): See technical spec. sheet for optional electrics, designs and net extras.



MODEL 55 22" (558mm) MEAT SAW

Optional removable, heavy duty two way inside and outside roller conveyor tops (32 rollers) 36" (914mm) L x 40" (1016mm)W. See standard Model 55 specifications above right.

Options (Extra Cost):
 See technical spec. sheet for optional electrics, designs and net extras.



MODEL 4436 DESIGN 5 BREAKING SAW

Saw Base: Stainless steel base & head structure.
 Motor: 3 HP (2.2kw), 50 or 60 Hz, 3 phase.
 Switch: Watertight magnetic remote with push button start stop station.
 Blade & Speed: 5/8" (16mm) x 164-1/2" (4178.3mm) @ 4000 fpm (1219m).
 Cutting Clearance: 17-1/4" (438mm) H x 31" (787mm) W.
 Standard Equipment: Stationary front table 34-1/8" (867mm) x 20" (508mm), stationary rear table 34-1/8" (867mm) x 30" (762mm).
 Options (Extra Cost): See technical spec. sheet for optional electrics, designs and net extras.



MODEL 4436 DESIGN 5E-3 BREAKING SAW

Saw Base: Stainless steel base & head structure.
 Motor: 3HP (2.2kw), 50 or 60 Hz, 3 phase.
 Switch: Watertight magnetic remote with push button start stop station.
 Blade & Speed: 5/8" (16mm) x 164-1/2" (4178.3mm) @ 4000 fpm (1219m).
 Cutting Clearance: 15" (381mm) H x 31" (787mm) W.
 Standard Equipment: Multi-directional removable roller conveyor tops 54" (1371.6mm) x 48" (1219mm), stabilizing support system.
 Options (Extra Cost): See technical spec. sheet for optional electrics, designs and net extras.



MODEL 4436 DESIGN 13B BREAKING SAW

Saw Base: Stainless steel base & head structure.
 Motor: 5 HP (3kw), 50 or 60 Hz, 3 phase.
 Switch: Watertight magnetic remote push button start stop station.
 Blade & Speed: 5/8" (16mm) x 178-1/2" (4534mm) @ 4000 fpm (1219m).
 Cutting Clearance: 19-3/4" (502mm) H x 31" (787mm) W.
 Standard Equipment: Right hand feed, heavy duty, inside & outside moving tables 48" (1219mm) x 40" (1016mm), stabilizing support system.
 Options (Extra Cost): See technical spec. sheet for optional electrics, designs and net extras.



auto feed mixer grinders

MODEL MINI-22 MIXER GRINDER

Construction: Stainless steel hopper, frame, lid, enclosure, paddle, bowl, ring, and auger.
Motors: Auger-2 HP (1.5kw), 208V, 50 Hz or 60 Hz, 1 or 3 phase.
 Mixer-1 HP (.75kw), 208, 50 Hz or 60 Hz, 1 or 3 phase..
Drive System: Double-reduction, direct-drive gearmotor (both auger and mixer)
Bowl Type: Size 22, requires size 22 plates and knives.
Hopper Capacity: Up to 45 lbs. (20kg).
Output Capacity: Up to 22 lbs. (10kg) per minute (1/8" (3.5mm) plate).
Standard Equipment: Spurt shield, grinder stand w/locking swivel casters, 10' cord, safety interlock on lid.
Options (Extra Cost): Size 22 plates and knives, specify hole size, foot switch, stainless steel casters. See technical spec. sheet for optional electrics.



MODEL MINI-32 MIXER GRINDER

Construction: Stainless steel hopper, frame, lid, and paddle. Tinned bowl, ring, and auger.
Motor: 3 HP (2.2kw), 208V, 50 Hz or 60 Hz, 1 or 3 phase.
Drive System: Auger-single reduction chain drive, Mixer-double reduction gear drive.
Bowl Type: Size 32, requires size 32 plates and knives.
Hopper Capacity: Up to 60 lbs. (27kg).
Output Capacity: Up to 60 lbs. (27kg)/minute (3/8" (9mm) plate).
Standard Equipment: Safety interlock on lid and tub. Spurt shield, ring wrench, 10' cord, stainless steel grinder stand with 5" DIA. total-lock swivel casters with prevenz additive.
Options (Extra Cost): Size 32 plates and knives, specify hole size, electric or pneumatic foot switch, stainless steel bowl assembly, stainless steel casters and ball bearings. See technical spec. sheet for optional electrics.



MODEL AFMG-24 MIXER GRINDER

Construction: Stainless steel hopper, frame, legs, lid, and paddle. Tinned bowl, ring, and auger.
Motor: Standard: 5 HP (3.7kw), 208V, 60 Hz, 3 phase
Drive System: Tandem single reduction oil bath speed reducers with heavy duty mechanical clutch.
Bowl Type: Size 32, requires size 32 plates and knives.
Hopper Capacity: Up to 140 lbs. (63.5kg).
Output Capacity: Up to 68 lbs. (31kg)/minute (3/8" (9mm) plate).
Standard Equipment: Spurt shield, ring wrench, 8' cord.
Options (Extra Cost): Size 32 plates and knives, specify hole size, stainless steel bowl assembly, stainless steel casters, 90° right or left side inlet, electric or pneumatic foot switch, 7.5 HP motor. See technical spec. sheet for optional electrics.



Shown with optional extra cost casters.

MODEL EMG-32 ERGONOMIC MIXER GRINDER

Construction: Stainless steel hopper, frame, legs, lid, and auger. Tinned bowl, and ring.
Motors: Auger-7-1/2 HP (5.6kw), 208V, 60 Hz, 3 phase
 Mixer-3/4 HP (.56kw), 208V, 60 Hz, 3 phase (Other voltages available).
Drive System: Auger-single reduction chain drive
 Mixer-double reduction chain drive.
Bowl Type: Size 32, requires size 32 plates and knives.
Hopper Capacity: Up to 150 lbs. (68kg).
Output Capacity: Up to 80 lbs. (36.3kg)/minute first grind.
 Up to 56 lbs. (25.4kg)/minute second grind.
Standard Equipment: Safety interlocks on lid. Stainless steel auger and paddles (2), spurt shield, ring wrench, pneumatic footswitch, 11' cord, reversible paddles, meat cart less lugs, locking swivel casters with prevenz additive.
Options (Extra Cost): Size 32 plates and knives, specify hole size, electric foot switch, stainless steel bowl and rings, stainless steel locking casters. See technical spec. sheet for optional electrics.



MODEL AFMG-48II MIXER GRINDER

Construction: Stainless steel hopper, frame, legs, lid and paddle. Tinned bowl, ring, and auger.
Motors: Auger-7-1/2 HP (5.6kw), 208V, 60 Hz, 3 phase
 Mixer-1-3/4 HP (1.3kw), 208V, 60 Hz, 3 phase (Other voltages available).
Drive System: Auger-single reduction chain drive
 Mixer-Direct Drive.
Bowl Type: Size 48, requires size 32 plate and knives.
Hopper Capacity: Up to 200 lbs. (91kg).
Output Capacity: Up to 65 lbs. (30kg)/minute (3/8" (9mm) plate).
Standard Equipment: Spurt shield, ring wrench, 12' cord and plug for U.S. 220V, locking swivel casters with prevenz additive, no inlet hopper.
Options: (No Cost) Right side 35° inlet.
Options (Extra Cost): Size 32 plates and knives, specify hole size, electric foot switch, 35° left side inlet, stainless steel bowl assembly. See technical spec. sheet for optional electrics.



MODEL AFMG-52 MIXER GRINDER

Construction: Stainless steel hopper, frame, lid and paddle. Tinned bowl, ring, and auger.
Motors: Auger-7-1/2 HP (5.6kw), 208V, 60 Hz, 3 phase
 Mixer-1-3/4 HP (1.3kw), 208V, 60 Hz, 3 phase (Other voltages available).
Drive System: Auger-single reduction chain drive.
 Mixer-Direct Drive.
Bowl Type: Size 52, requires size 52 plate and knives.
Hopper Capacity: Up to 200 lbs. (91kg).
Output Capacity: Up to 100 lbs. (45.5kg)/minute (3/8" (9mm) plate).
Standard Equipment: Safety interlocks on lid, spurt shield, ring wrench, 12' cord and plug for U.S. 220V, locking swivel casters with prevenz additive, no inlet hopper.
Options: (No Cost) Size 52 right side 35° inlet.
Options (Extra Cost): Size 52 plates and knives, specify hole size, size 52 left side 35° inlet, electric or pneumatic foot switch, 10 HP motor, stainless steel bowl assembly. See technical spec. sheet for optional electrics.



auto feed mixer grinders

MODEL AFMG-52-4 MIXER GRINDER

- Construction:** Stainless steel hopper, frame, legs, lid and paddle. Tinned bowl, ring, and auger.
- Motors:** Auger 10 HP (7.5kw) totally enclosed motor. Mixer 5HP (3.7kw) totally enclosed motor. (Other voltages available).
- Switch:** Watertight magnetic switch system with thermal overload protection.
- Drive System:** Auger-single reduction (35 pitch - 4 row) roller drive chain with tapered roller bearings; Mixer-double reduction gear box and open face gear drive
- Bowl Type:** Size 52, requires size 52 plates and knives.
- Hopper Capacity:** Up to 400 lbs. (182kg)
- Output Capacity:** Up to 100 lbs. (45.5kg)/minute (3/8" (9mm) plate).
- Standard Equipment:** Safety interlocks on lid 35° right side inlet, stainless steel 2nd grind paddle with center arm, locking casters, spurt shield and ring wrench, 12' cord.
- Options (Extra Cost):** Stainless steel bowl, ring and auger, size 52 plate. Size 52 plates and knives, specify hole size, electric or pneumatic foot switch, size 52 left side 35° inlet, stainless steel auger ring and bowl, fold up step assembly.



MODEL AFMG-56-4 MIXER GRINDER

- Construction:** Stainless steel hopper, legs, frame, bowl, ring, auger, and paddles.
- Motors:** Auger-15 HP (11.2kw), 208V, 60 Hz, 3 phase. Mixer-5 HP (3.7kw), 208V, 60 Hz, 3 phase. (Other voltages available).
- Drive System:** Auger-single reduction synchronous drive belt. Mixer-double reduction gear box with open face gears.
- Bowl Type:** Size 56, requires size 56 plates and knives.
- Hopper Capacity:** Up to 400 lbs. (182kg)
- Output Capacity:** Up to 200 lbs. (91kg)/minute (3/8" (9mm) plate).
- Standard Equipment:** Safety interlocks on lid, stainless steel legs with foot pad, spurt shield, ring wrench, 9' cord
- Options (Extra Cost):** Size 56 plates and knives, specify hole size, electric or pneumatic foot switch, size 56 right or left side 90° inlet, swivel locking casters.



See technical spec. sheet for optional electrics.

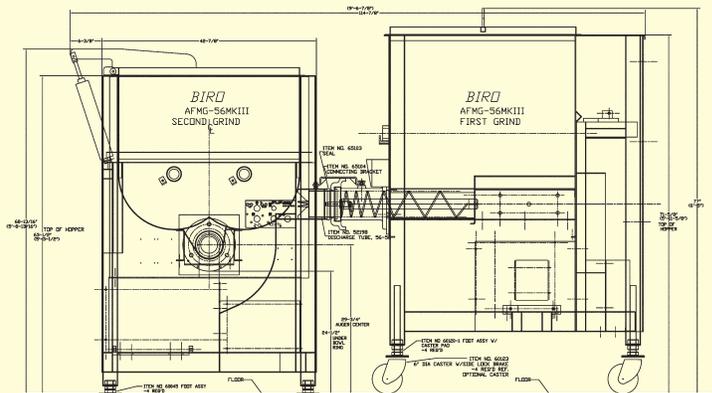
MODEL AFMG-56 MK III MIXER GRINDER

- Construction:** Stainless steel hopper, legs, frame, bowl, ring, auger, and paddles.
- Motors:** Auger-20 HP (14.9kw), 208V, 60 Hz, 3 phase. Mixer-5 HP (3.7kw), 208V, 60 Hz, 3 phase. (Other voltages available).
- Drive System:** Auger-single reduction chain drive. Mixer-double reduction gear box with open face gears.
- Bowl Type:** Size 56, requires size 56 plates and knives.
- Hopper Capacity:** Up to 800 lbs. (363kg)
- Output Capacity:** Up to 250 lbs. (113kg)/minute (3/8" (9mm) plate).
- Standard Equipment:** Safety interlocks on lid, stainless steel legs with foot pad, spurt shield, ring wrench, pneumatic lid lift, 9' cord.
- Options (Extra Cost):** Size 56 plates and knives, specify hole size, swivel locking casters, fold up step assembly, size 56 right or left side 90° inlet.



TANDEM SYSTEMS

Model AFMG-56 MK III to AFMG-56 MK III Tandem System (Right to Left) Feed.



See technical spec. sheet for optional electrics.

tenderizers

MODEL PRO-9 SERIES TENDERIZERS

- Construction:** Stainless steel case and top. Lexan Hopper Cover
- Motors:** 1/2 (.38kw) or 3/4 (.56kw) HP, 115-60-1 or 230-60-1 open type. 50 Hz available.
- Switch:** On/Off toggle type with cover safety switch.
- Transmission:** Oil bath gear box with Polyflex double-V belt.
- No Cost Options:** 140 RPM roller speed (HD units only, upon request).
- Standard Equipment:** Tenderizing / knitting assembly 5' cord and 3 prong molded grounded plug, 115 volt.
- Options (Extra Cost):** Outlet cradle, scoring rollers, star rollers, stir fry/stew cutter assemblies, nylon feed handle. See technical spec. sheet for optional electrics and other net extras.



Stew/Strip Cutter Fajitas, chicken fingers, etc.



Create a value-added cube steak by moving the rear stripper (comb) to the most rear slot position. Pass 2-3 smaller pieces of hard to merchandize meat thru 2-3 times which knits the pieces together.



Full machine specifications can be viewed at www.birosaw.com

manual feed grinders

MODEL 722 MEAT GRINDER

Construction: Cast aluminum body, Tinned bowl, ring, and worm.

Motor: 3/4 HP (.56kw), 115/230V, 60 Hz, 1 phase totally enclosed.

Switch: Toggle

Feed Pan: Stainless steel removable 20" (508mm) L x 13" (330mm) W x 2-1/2" (64mm) D.

Transmission: High torque drive, 95% efficient.

Bowl Type: Size 22 straight requires size 22 plates and knives.

Capacity: 10 - 16 lbs. (4.5-7.3kg) per minute.

Standard Equipment: Meat stomper, 6' cord.

Options (Extra Cost): Size 22 plates and knives, specify hole size, solid stomper. See technical spec. sheet for optional electrics.



MODEL 812SS/822SS (shown) MEAT GRINDER

Construction: Stainless steel, high polish case, Tinned bowl, ring, and worm.

Motors: 1 HP (.75kw), 115/230V, 60 Hz 1 phase.

Switch: Toggle activator with magnetic contactor.

Feed Pan: Stainless steel removable, 20" (508mm) L x 13" (330mm) W x 2-1/2" (64mm) D.

Transmission: High torque drive, 95% efficient.

Bowl Type: Size 12 (Model 812SS) requires size 12 plates and knives. Size 22 (Model 822SS) requires size 22 plates and knives.

Capacity: 812 6-10 lbs. (3-4.5kg) per minute. 822 10-16 lbs. (4.5-7.3kg) per minute.

Standard Equipment: Meat stomper, 6' cord.

Options (Extra Cost): Size 12 or 22 plates and knives, specify hole size, solid stomper. See technical spec. sheet for optional electrics.



MODEL 922SS MEAT GRINDER

Construction: Stainless steel, high polish case, Tinned bowl, ring, and worm.

Motors: 1 HP (.75kw), 115/230V, 60 Hz, 1 phase.

Switch: Magnetic contactor with front mounted push button station.

Feed Pan: Stainless steel removable, 26-3/4" (679mm) L x 15-1/2" (394mm) W x 2-3/4" (70mm) D.

Transmission: High torque drive, 95% efficient.

Bowl Type: Size 22, flared.

Capacity: 12-20 lbs. (5.4-9.1kg) per minute.

Standard Equipment: Safety interlock on pan, bowl guard, meat stomper, 6' cord.

Options (Extra Cost): Size 22 plates and knives, specify hole size, solid stomper, stainless steel bowl assembly. See technical spec. sheet for optional electrics.



MODEL 6642 MEAT GRINDER

Construction: Stainless steel high polish case, Tinned bowl, ring, and worm.

Motors: 2 HP (1.5kw), 115/230V, 60 Hz, 1 or 3 phase.

Switch: Push button with magnetic contactor.

Feed Pan: Stainless steel removable, 39" (991mm) L x 22" (559mm) W x 4-5/8" (117mm) D.

Transmission: Double reduction steel gear type, oil bath.

Bowl Type: Size 42, flared, requires size 32 plates and knives.

Capacity: Up to 40 lbs. (18kg) per minute.

Standard Equipment: Safety interlock on pan, spurt shield, bowl guard, meat stomper, ring wrench, 4" (102mm) aluminum legs.

Options (Extra Cost): Size 32 plates and knives, specify hole size, 22" longer legs, power cord less plug, solid stomper. See technical spec. sheet for optional electrics.



MODEL 346SS MEAT GRINDER

Construction: Stainless steel case, tray and guard, Tinned bowl, ring, and worm.

Motors: 3 HP (2.25kw), various voltages, 60 Hz, 3 phase.

Switch: Rocker type with thermal overload and under voltage protection.

Feed Pan: Stainless steel left hand feed, removable, 45" (1143mm) L x 24" (611mm) W x 7-1/4" (184mm) D.

Transmission: Roller chain drive.

Bowl Type: Size 46, straight chute type, requires size 32 plates and knives.

Capacity: Up to 45 lbs. (20kg)/minute.

Standard Equipment: Safety interlock on pan, spurt shield, bowl guard, ring wrench, meat stomper, 11" aluminum legs.

Options (Extra Cost): Size 32 plates and knives, specify hole size, power cord less plug specify length, stainless steel bowl assembly, solid stomper. See technical spec. sheet for optional electrics.



MODELS 548SS, 7548SS, 552SS, 7552SS HHP MEAT GRINDERS

Construction: Stainless steel case, tray, and guard, Tinned bowl, ring, and worm.

Motors: 5 HP (3.7kw) or 7-1/2HP (5.6kw) voltages, 60Hz, 3 phase.

Switch: Rocker type with thermal overload and under voltage protection.

Feed Pan: Stainless steel left hand feed, removable, 52" (1321mm) L x 29" (737mm) W x 9" (229mm) D.

Transmission: Roller chain drive.

Bowl Type: Size 48 (Model 548SS & 7548SS) requires size 32 plates and knives. Size 52 flared (Model 552SS & 7552SS) requires size 52 plates and knives.

Capacity: 55 - 70 lbs. (25-32kg)/minute.

Standard Equipment: Safety interlock on pan, spurt shield, bowl guard, ring wrench, meat stomper.

Options (Extra Cost): Plates and knives, specify hole size, longer aluminum legs, power cord less plug specify length, solid stomper. See technical spec. sheet for optional electrics.



manual feed grinders

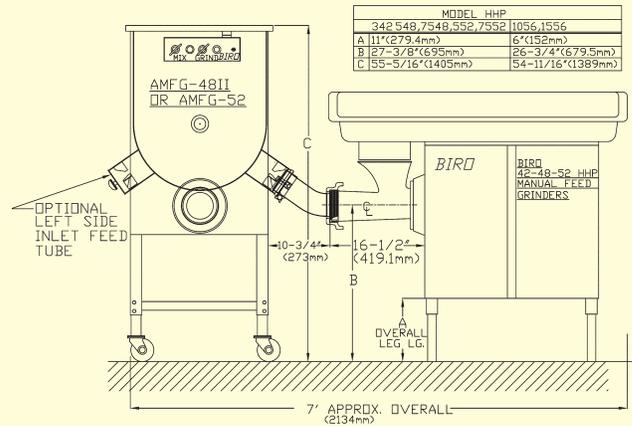
MODELS 1056SS, 1556SS HHP MEAT GRINDERS

- Construction:** Stainless steel case, tray, and guard, Tinned bowl, ring, and worm.
- Motors:** 10 (7.5kw) or 15 (11.2kw) HP, various voltages, 60Hz, 3 phase.
- Switch:** Rocker type with thermal overload and under voltage protection.
- Feed Pan:** Stainless steel left hand feed, removable, 52" (1321mm) L x 29" (737mm) W x 9" (229mm) D.
- Transmission:** Heavy duty roller chain drive.
- Bowl Type:** Size 56 flared, requires Size 56 plates and knives.
- Capacity:** Up to 125 lbs. (57kg)/minute.
- Standard Equipment:** Safety interlock on pan, spurt shield, bowl guard, ring wrench, meat stomper, 6" plated steel legs.
- Options (Extra Cost):** Size 56 plates and knives, specify hole size, power cord less plug specify length. See technical spec. sheet for optional electrics.



TANDEM SYSTEMS

Model HHP to AFMG-48II or AFMG-52 Tandem System.



tempered frozen block chipper

MODEL FBC-4800SS CHIPPER

- Construction:** Stainless steel.
- Motors:** 5 HP (3.7kw), 3 phase.
- Switch:** Magnetic type with low voltage and overload protection.
- Transmission:** Oil bath with heavy duty bronze gear fitted directly to motor.
- Standard Equipment:** Safety interlock on chute cover, polyethylene product receptacle, product receptacle dolly, floor bolt down locator chocks.
- Operation:** Maximum block size 8" (203mm) x 16-1/2" (419mm) x 19-1/2" (495mm), recommended block temperature is 15° to 25° F or -10° to -4° C, can reduce block into chips approximate 3-1/2" (89mm) x 3-1/2" (89mm) x 1/4" (6mm) in less than 60 seconds.
- Cleaning:** Entire lid opens for easy access, knife shuttle assembly removable as a unit for cleaning.
- Options (Extra Cost):** Power cord less plug specify length. See technical spec. sheet for optional electrics.



poultry cutter

MODEL BCC-100 POULTRY CUTTER

- Construction:** Stainless Steel base, column, extension shaft. Cast aluminum blade guard, knife guard, Apex precision guide bar.
- Motor:** 3/4 HP (.56kw), 1 phase, totally enclosed; 3 phase 60 Hz and 50 Hz motors available at extra cost.
- Switch:** Enclosed, toggle switch with red (ON) safety light.
- Knife Blade:** Stainless steel, 9" (229mm) diameter.
- Standard Equipment:** 7.5' cord and plug.
- Options (Extra Cost):** Serrated knife blade, in place of standard knife blade. See technical spec. sheet for optional electrics.



vacuum marinaters



MODELS VTS-41 AND VTS-42 VACUUM (shown) MARINATING TUMBLERS

Construction: Stainless steel frame, except wheels and lid gasket.

Drum Motor: 1/20 HP (.04kw), 115V, 60 Hz, 1 phase.

Vacuum Pump: 1/8HP (.09kw) portable pump with filter VTS-41.

Capacity: 40 lb. (18kg) capacity stainless steel drum.

Standard Features: Tumbling timer, 6' cord and plug (115V), removable baffles as illustrated.

Options (Extra Cost): 220V, 50 or 60 Hz, 1 phase motor for 42 (with cord, no plug) variable speed (0-8 RPM or 0-26), tumbler cart, wood box.



MODELS VTS-43 (shown) AND VTS-44 VACUUM MARINATING TUMBLERS

Construction: Stainless steel frame, except wheels and lid gasket.

Drum Motor: 1/20 HP (.04kw), 115V, 60 Hz, 1 phase.

Vacuum Pump: 1/8HP (.09kw) portable pump with filter VTS-43.

Capacity: Twin 20 lb. (9.1kg) capacity stainless steel drums.

Standard Features: Tumbling timer, 6' cord and plug (115V), removable baffles.

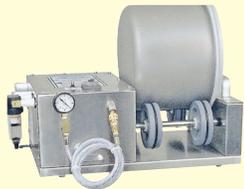
Options (Extra Cost): 220V, 50 or 60 Hz, 1 phase motor for 44 (with cord, no plug) variable speed (0-8 RPM or 0-30), 40 lb. (18kg) stainless steel drum, tumbler cart, wood box.

REMOTE VACUUM PUMP

For Models: VTS-41/43/45.



See technical spec. sheet for additional information.



MODEL VTS-45 AND VTS-46 (shown) VACUUM MARINATING TUMBLERS

Construction: Stainless steel except the wheels & lid gaskets.

Drum Motor: 1/20 HP (.04kw), 115V, 60 Hz, 1 phase.

Vacuum Pump: 1/8HP (.09kw) portable pump with filter VTS-45.

Capacity: 20 pound (9.1kg) capacity stainless steel drum.

Standard Features: Tumbling timer, 6' cord and plug (115V), removable baffles as illustrated.

Options (Extra Cost): 220V, 50 or 60 Hz, 1 phase motor for 46 (with cord, no plug), variable speed (0-8 RPM or 0-30), tumbler cart, wood box.



See technical spec. sheet for additional information.

MODELS VTS-41, 42, 43, 44, 45, or 46 TABLE TOP VACUUM TUMBLERS CAN BE BOLTED TO THE FRAME OF THE OPTIONAL TUMBLER CART BELOW.



VT63077C OPTIONAL (EXTRA COST) TUMBLER CART

Stainless steel with bottom shelf and 4 locking swivel casters.

OPTIONAL CONTROL PANEL COVER

Water protected.
(VTS-100 / VTS-500)



MODEL VTS-100 VACUUM MARINATING TUMBLER

Construction: Stainless steel frame, drum and case.

Drum Motor: 3/4 HP (.56kw) Variable Speed, 115V, 60 Hz, 1 phase

Vacuum Pump: 3/4 HP (.56kw), 115V, 60 Hz, 1 phase. External moisture trap.

Drum Capacity: 100 lb. (45.4kg) approximate.

Standard Features: 0-50 minute interval mode timer, in-line vacuum filter, lock swivel casters, 8' cord and plug 115 volts, photo eye for safety shutdown.

Options (Extra Cost): 50 cycle, reverse jog switch (momentary), extension legs, protective electric panel enclosure assembly.



MODEL VTS-500 VACUUM MARINATING TUMBLER

Construction: Stainless steel frame, drum and case.

Drum Motor: 3/4 HP (.56kw) Variable Speed, 115V, 60 Hz, 1 phase.

Vacuum Pump: 3/4 HP (.56kw), 115V, 60 Hz, 1 phase. External moisture trap.

Drum Capacity: 500 lb. (227kg) approximate.

Standard Features: 0-99 minute timer with repeat cycle run-stop-run, external moisture trap, in-line vacuum filter, locking swivel casters, 8' cord and plug 115 volts, photo eye for safety shutdown.

Options (Extra Cost): 50 cycle, reverse jog switch (momentary), extension legs, protective electric panel enclosure assembly.

See technical spec. sheet for additional information.

Full machine specifications can be viewed at www.birosaw.com

meat & food slicers

MODEL B300M GRAVITY FEED MANUAL SLICER

Construction: Body – Anodized polished aluminum cast with non-corrosive metal frame.
Motor: IP 65 – 1/2 HP (.35 KW) 115V 60 HZ 1 ph internally cooled, water resistant.
IP 65 – 1/2 HP (.35 KW) 220V 50 Hz 1 ph internally cooled, water resistant.
Blade Size: 12" (300 mm) hollow ground alloy steel.
Max. Slice Thickness: 5/8" (16 mm).
Max. Round Cut: 7.5" (191 mm).
Max. Rectangle Cut: 10" x 5.5" (254 mm x 140 mm).
Standard Features: Removable product table, blade protective ring guard, product table lockout, automatic spring loaded belt tensioning, polygroove belt drive, thermal overload/no volt release, green pushbutton on-off control with red e-stop button, water resistant IP65 motor, wiring harness, electronic controls, and connectors, detachable sharpener assembly, product fence, 6-1/2' cord, 3 prong plug, 115-60 volt.

See technical spec. sheet for additional information.



Model B300M (detachable sharpener not shown)

MODEL B350M GRAVITY FEED MANUAL SLICER

Construction: Body – Anodized polished aluminum cast with non-corrosive metal frame.
Motor: IP 65 – 1/2 HP (.37 KW) 115V 60 HZ 1 ph internally cooled, water resistant.
IP 65 – 1/2 HP (.37 KW) 220V 50 Hz 1 ph internally cooled, water resistant.
Blade Size: 13-3/4" (350 mm) hollow ground alloy steel.
Max. Slice Thickness: 1-3/16" (30 mm).
Max. Round Cut: 10" (254 mm).
Max. Rectangle Cut: 12-1/2" x 9" (318 mm x 229 mm).
Standard Features: Oversized product table, blade protective ring guard, tilt-away product table lockout, automatic spring loaded belt tensioning, belt drive, thermal overload/no volt release, green pushbutton on-off control with red e-stop button, water resistant IP65 motor, wiring harness, electronic controls, and connectors, detachable sharpener assembly, product fence, 6-1/2' cord, 3 prong plug, 115-60 volt.

See technical spec. sheet for additional information.



Model B350M (detachable sharpener not shown)

MODEL B350COMFORT SEMI-AUTOMATIC SLICER

Construction: Body – Anodized polished aluminum cast with non-corrosive metal frame.
Motor: IP 65 – 1/2 HP (.37 KW) 115V 60 HZ 1 ph internally cooled, water resistant.
IP 65 – 1/2 HP (.37 KW) 220V 50 Hz 1 ph internally cooled, water resistant.
Blade Size: 13-3/4" (350 mm) hollow ground alloy steel.
Max. Slice Thickness: 1" (25.4 mm).
Max. Round Cut: 9-1/4" (235 mm).
Max. Rectangle Cut: 11-3/4" x 6" (298 mm x 152 mm).
Standard Features: Oversized product table, blade protective ring guard, tilt-away product table lockout, automatic spring loaded belt tensioning, poly groove belt drive, thermal overload/no volt release, water resistant IP65 motor, wiring harness, electronic controls and connectors, detachable sharpener assembly, product fence, machine lift handle for ease of cleaning, single speed at 40 strokes/min.

See technical spec. sheet for additional information.



Model B350COMFORT (detachable sharpener not shown)

MODEL B350A SEMI-AUTOMATIC SLICER

Construction: Body – Anodized aluminum polished cast with non-corrosive metal frame.
Motor: IP 65 – 1/2 HP (.37 KW) 115V 60 HZ 1 ph internally cooled, water resistant.
IP 65 – 1/2 HP (.37 KW) 220V 50 Hz 1 ph internally cooled, water resistant.
Blade Size: 13-3/4" (350 mm) hollow ground alloy steel.
Max. Slice Thickness: 1" (25.4 mm).
Max. Round Cut: 9-1/4" (235 mm).
Max. Rectangle Cut: 11-3/4" x 6" (298 mm x 152 mm).
Standard Features: Oversized product table, blade protective ring guard, tilt-away product table lockout, automatic spring loaded belt tensioning, polygroove belt drive, thermal overload/no volt release, water resistant IP65 motor, wiring harness, electronic controls, and connectors, detachable sharpener assembly, product fence, 6-1/2' cord, 3 prong plug, 115-60 volt. Three stroke lengths/ten stroke speeds.

See technical spec. sheet for additional information.



Model B350A (detachable sharpener not shown)

horizontal slicer

TEMPERED / FRESH BONELESS WHOLE MEAT SLICER



Shown with optional conveyor.

MODEL 109PC HORIZONTAL SLICER (ELECTRIC PROGRAM)

- Electrical:** 3 HP (2.2kw), 208/220/440 volts, 60 Hz, 3 phase, 220/380/415 volts, 50 Hz, 3 phase, 10' cord no plug. Must specify exact voltage prior to ordering.
- Construction:** Stainless steel frame and skin. Lexan chamber lids.
- Chamber Size:** 9" (228 mm) high x 10" (254 mm) wide x 30" (762 mm) length.
- Safety:** Safety interlocks on door and Lexan chamber lids, brake motor, locking casters, OSHA lockout power switch.
- Blades:** Stainless steel curved sickle type. Two blades supplied with each machine, smooth or serrated.
- Blade Speed:** Up to 180 cuts per minute.
- Controller:** Electronic, splash proof, user friendly keypad in English or metric (tactile and audible), programmable up to 7 programs, automatic transport return.
- Cut Thickness:** 1/16" (2.0 mm) up to 30" (762 mm).
- Standard:** 5" Dia. total-lock swivel casters with prevenz, 2 blades, surplus catch tray, product leaf spring.
- Options (Extra Cost):** Blades, 10"W x 48-3/8" L take away conveyor variable speed from 0-55 ft. (0-5.1m) per minute, independent on-off switch, white food grade removable belt. Stainless steel leg extensions, stainless steel casters.

See technical spec. sheet for optional electrics.



Model 109PC/109PCM
Sickle type
smooth edge blade.

MODEL 109PCM HORIZONTAL SLICER (WITH MECHANICAL THICKNESS ADJUSTMENT)

- Electrical:** 2 HP (1.5kw), 208/220/440 volts, 60 Hz, 3 phase, 220/380/415 volts, 50 Hz, 3 phase, 10' cord no plug. Specify voltage prior to ordering.
- Construction:** Stainless steel frame and skin. Lexan chamber lids.
- Chamber Size:** 9" (228 mm) high x 10" (254 mm) wide x 30" (762 mm) length.
- Safety:** Safety interlocks on doors and Lexan chamber lids, brake motor, locking casters, OSHA lockout power switch.
- Blades:** Stainless steel curved sickle type. Two blades supplied with each machine, smooth or serrated.
- Blade Speed:** Up to 170 cuts per minute.
- Controller:** Main on off, run or jog, push button start, emergency "E" stop.
- Cut Thickness:** 1/16" (2.0 mm) up to 1-1/8" (28.6 mm).
- Standard:** 5" Dia. total-lock swivel casters with prevenz, 2 blades, surplus catch tray, product leaf spring.
- Options (Extra Cost):** Blades, 10" W x 48-3/8" L take away conveyor variable speed from 0-55 ft. (0-5.1m) per minute, independent on-off switch, white food grade removable belt. Stainless steel leg extensions, stainless steel casters. See technical spec. sheet for optional electrics.



Shown with
optional conveyor



Enlarged thickness adjuster right side

food / patty formers



NEW



Drum mold

MODEL F1000N

Construction: Stainless steel body, hopper, hopper cover, hopper base anodized polished aluminum.
 Motor: 1/2HP, 115V 60Hz, 1 phase.
 Production: 1300 cycles per hour.
 Hopper Size: 4.2 gallons/ 16 lt.

Standard Equipment: Drum & Hopper Cover Safety Switches, fixed speed, stainless steel feed paddle, 15-3/8" (390.5mm) (NSF) conveyor belt, manual wire cleaner, select one standard single round hole mold poly drum from chart below, auto feed paper attachment, 2 pks patty paper (1300 single sheets) starter kit, disassembly for cleaning without tools.

See technical spec.sheet for additional information.



Shown with Optional Feed Tray. Feed Tray not available on EH's.

MODEL F2000N

Construction: Anodized polished aluminum hopper base body with stainless steel enclosures.
 Motor: 3/4HP (.56kw), 115V 60 Hz 1ph.
 Production: 2000 cycles per hour.
 Hopper Size: 6.5 gallons / 25 lt.

MODEL F3000N

Construction: Anodized polished aluminum hopper base body with stainless steel enclosures.
 Motor: 3/4HP (.56kw), 115V 60 Hz 1ph.
 Production: 3000 cycles per hour.
 Hopper Size: 6.5 gallons / 25 lt.

MODEL F4000N

Construction: Anodized polished aluminum hopper base body with stainless steel enclosures.
 Motor: 1HP (.75kw), 115V 60 Hz 1ph.
 Production: 4000 cycles per hour.
 Hopper Size: 6.5 gallons / 25 lt.

Standard Equipment: manual wire drum cleaner, paper holder, pneumatic foot switch, 6.5 gal. (25 lt.) product hopper, 15-3/8 (390.5mm) (NSF) conveyor belt, 2 pks patty paper (1300 single sheets) starter kit, one standard single round hole mold poly drum select diameter from chart below, lifting handle for cleaning.

Options (Extra Cost) – larger hopper, automatic wire drum cleaner, longer take-away conveyor, stainless steel feed tray except on EH models, 220-60-3 motor, additional mold drums.

See technical spec. sheet for additional information.



Manual drum wire cleaner is standard.
 Automatic drum wire cleaner (optional, extra cost, not shown)

SELECT ONE STANDARD SINGLE ROUND HOLE MOLD POLY DRUM (NO CHARGE)



70mm, 2.75" diameter	110mm, 4.33" diameter
90mm, 3.50" diameter	115mm, 4.50" diameter
100mm, 3.93" diameter	120mm, 4.72" diameter
	127mm, 5.00" diameter

NOTE: ALL OTHER DRUMS SHOWN BELOW ARE OPTIONAL, EXTRA CHARGE. SEE SPEC. SHEET FOR AVAILABLE SHAPES AND DIMENSIONS.



Single Round
130mm, 5.12"



Single Oval



Double Rectangle



Single Square



Rectangle



Round Double



Paper Holder
standard on machine.

MODEL HD3000EHN PNEUMATIC

Construction: Anodized polished aluminum body with stainless steel enclosures.
 Motor: 3/4HP (.56kw), 115V 60 Hz 1ph.
 Production: 3000 cycles per hour.
 Hopper Size: 10.5 gal (40 lt) product hopper
 Std. Features: Take-away conveyor w/built in Machine Stand.
 Built-in Pneumatic wire drum scraper, foot switch,
 longer conveyor belt 45" (1180mm), 2 pks patty paper (1300 single sheets) starter kit. Select one standard single round hole mold poly drum from chart above.



Full machine specifications can be viewed at www.birosaw.com



COMPANY PROFILE STATEMENT

The **BIRO® MANUFACTURING COMPANY** established in 1921, is an Ohio, USA corporation, with three manufacturing/assembly plants. BIRO designs, manufactures, and markets safe, durable, and reliable power operated, stainless steel, food and meat processing machinery. BIRO is committed to satisfy specific needs of all segments of the food and meat industry: the food retail stores, the food service, and the food processing, including portion control and the seafood processing operations.

BIRO's product line includes a broad selection of models and variations of Power Saws, Tenderizers/Knitters, Cubers, Strip Cutters, Poultry Cutters, Horizontal High Speed Meat Slicers, Deli/Meat Slicers, Grinders, Mixer/Grinders, Marinating Vacuum Meat Tumblers, and Food/Patty Formers.

BIRO PHILOSOPHY

- ▶ **BIRO ENGINEERING & DESIGN:** Our concept is for optimum performance and efficiency with safety and sanitation as our priority in the design process. We specialize in being able to modify our machines to meet your requirements.
- ▶ **BIRO MACHINES:** Our concept of a "better buy" for the customer is not only based on initial acquisition cost but more importantly... machines built to last longer. There's increased productivity throughout the machine's life because of less down time.
- ▶ **BIRO PARTS:** The customer will realize lower maintenance costs with reasonably priced parts, less frequent replacement requirements, thus less labor needed. The quality of BIRO parts in relation to cost is the most competitive in the industry.
- ▶ **BIRO TECHNICAL SERVICE:** The end users will benefit from highly motivated, independently owned, authorized sales and service distributors worldwide. These distributors have the benefit of factory training and technical staff support.
- ▶ **BIRO CUSTOMER SERVICE:** With the cooperation of all our employees, we will continue to strive to build long standing relationships with our valued customers by providing responsive customer service.

Service is available from locations worldwide

Since 1921, *BIRO®* Manufacturing Company has developed and manufactured safe and reliable food processing equipment to meet the various requirements of the food processing industry. *BIRO* also designs and builds special food processing machines according to customer specifications. A wide variety of models are available from which to select as well as a number of electrical motor and controller options. It is important that electrical specifications for your particular application be specified when inquiring. If additional assistance is needed regardless whether the equipment is standard or special, contact your authorized distributor covering your locality or the Sales Department of the BIRO Manufacturing Company, Marblehead, Ohio 43440 U.S.A.

BIRO® is the registered trademark of Biro Manufacturing Company, Marblehead, Ohio 43440 as applied to power driven meat, fish, and bone cutting machines, meat grinders, tenderizers, chippers, slicers and cutters; automatic feed mixer-grinders, vacuum tumblers, patty/food formers, blades and parts thereof of its manufacture or design for use in the food processing industry.

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