STAR TOOL SUPPLY / GRAND TOOL SUPPLY

Tel: 201-518-8461 / Fax: 201-596-3427 650 Huyler St / So. Hackensack, NJ 07606 USA

ARBOR PRESSES
SERIES 422:

JEINES 422.

- Heavy duty construction
- Precision made
- 4-way anvil



Model No.	Tons Press- ure	Height Over Table	Height of Press	Base Size	Lever- age Ratio	Wt.	Order No.	Price
0	1/2	4-1/2	10	4 x 9-1/2	20:1	25 lbs.	2405000	\$39.50
1	1	5-1/2	13	5 x 11	25:1	40 lbs.	2405001	\$59.75
2	2	8-1/2	18	6-3/4 x 17	35:1	88 lbs.	2405002	\$123.50
3	3	12-1/2	23	8 x 18	50:1	160 lbs.	2405003	\$180.50
5	5	18	35	10 x 26-3/4	50:1	325 lbs.	2405005	\$707.00
	Ratcheting Type - For Heavier Applications							
2R	2	8-1/2	18-1/2	6-1/4x15-3/4	-	99 lbs.	2401222	\$185.00
3R	3	12-5/8	21-1/2	8 x 18	-	178 lbs.	2401013	\$315.65
5R	5	18-1/4	34-1/2	11.5 x 26.5	-	380 lbs.	2401015	\$802.50

PANAPRESS

SERIES 345:





Model 502

Ideal for pressing bearings, sleeves, collars, forming and assembling small parts, broaching, staking, etc.

- Reversible ram is 0.75" x 0.75" (19.1mm x 19.1mm) and 5.875" (149.2mm) long and applies up to 1/4 ton (500 lbs/227 kg) of pressure!
- One end of the ram is pre-drilled for adding tooling
- Four adjustable nylon gibs provide exceptional ram control
- Arm is 8" (203.2mm) long.

 Base footprint is 3.7" (94 mm) x 7" (177.8mm) and includes four 0.25" (6.3mm) holes countersunk at the

corners for bolting to a work surface.

 Height (from base to top of back-not including variable ram height or arm length): 7" (177.8mm).
 Weight: 5.4 lbs. (2.5 Kg).

Order No. 3450502
Price \$175.99



PHASE-A-MATIC PHASE CONVERTERS

SERIES 222:

Runs three-phase equipment on existing 220V single-phase power

For long heavy starting loads, instant reversing, momentarily overloaded motors, or imported equipment; please inquire. Voltage stabilizer available for high line voltage and voltage-sensitive equipment such as CNC's; please inquire.



STATIC CONVERTERS

(Runs motor loads only at 2/3 rated HP)

How to Size:

The largest motor on your machine must fall within the minimum and maximum range of the converter. Do not order a larger unit or heavy duty model thinking it will give you more horsepower.

When To Use Heavy Duty:

Heavy starting loads (lathes, flywheel driven equip., etc.). Instant reversing, frequent starting, jogging. Air compressors (motor pulley must be reduced by 1/3 diameter).

Heavily Loaded Equipment:

Pumps, fans, blowers, direct-drive compressors, or equipment requiring greater than 2/3 of its rated HP, use a **PHASE-A-MATIC** rotary converter listed below.



For Light to Moderate Loads

Regular Duty Series					
Model No.	Order No.	H.P. Range	Price		
PAM-100 PAM-200 PAM-300 PAM-600 PAM-900	2220100 2220200 2220300 2220600 2220900	1/3 TO 3/4 3/4 TO 1-1/2 1 TO 3 3 TO 5 4 TO 8	\$99.00 \$111.00 \$123.00 \$144.00 \$177.00		
	Heavy Duty	y Series			
PAM-100HD PAM-200HD PAM-300HD PAM-600HD PAM-900HD PAM-1200HD PAM-1800HD PAM-3600HD PAM-5000HD	2221100 2221200 2221300 2221600 2221900 2211200 2211800 2213600 2215000	1/3 TO 3/4 3/4 TO 1-1/2 1 TO 3 3 TO 5 4 TO 8 8 TO 12 12 TO 18 20 TO 30 30 TO 50	\$132.00 \$147.00 \$165.00 \$198.00 \$240.00 \$333.00 \$615.00 \$837.00 \$1257.00		

ROTARY CONVERTERS

(For running motor loads greater than 2/3 rated HP)

FEATURES:

- Multi-motor operation
- Multi-speed applications
- Resistive load applications
- No changing motors or switch gear
- Full 12 month warranty
- Easy to install
- No interference to TV, etc.

For larger sizes or 460V operation, please inquire.



Heavy Load Applications

*Multiple Unit Model

Model No.	Order No.	H.P. Range	Price
R-1	2222001	1	\$432.00
R-2	2222002	2	\$524.00
R-3	2222003	3	\$628.00
R-5	2222005	5	\$820.00
R-7	2222007	7-1/2	\$1076.00
R-10	2222010	10	\$1396.00
R-15	2222015	15	\$1956.00
R-20	2222020	20	\$2368.00
R-30	2222030	30	\$3232.00
R-40	2222040	40	\$4028.00
R-50	2222050	50	\$4760.00
R-60*	2222060	60	\$6460.00
R-80*	2222080	80	\$8056.00
R-100*	2222100	100	\$9520.00

STAR TOOL SUPPLY / GRAND TOOL SUPPLY

Tel: 201-518-8461 / Fax: 201-596-3427 650 Huyler St / So. Hackensack, NJ 07606 USA

QUILL STOP

SERIES 508:



Superior Import



SERIES 508:

· Quick acting clip easily attaches to quill of Bridgeport® or similar type machines for rapid depth setting

HAND SHEAR MACHINES

Hardened and tempered replaceable

Order No.

5086001

5086002

5086003

5086004

Long handles provides plenty

of shearing torque.

Comes with predrilled

holes to bolt down to work bench.

• Ideal machine for shearing sheet, steel, bars and rods.

Blade

Length

6"/150mm

8"/200mm

10"/250mm

12"/300mm

Top or bottom positioning

Easily removable

SERIES 508:

Lever type

blades.

Order No. 2585003

Price

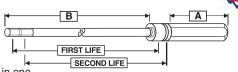
Replaces conventional handle for speeding up operations on Bridgeport® type machines.

Order No. 2585001



TWO-LIFE DRAWBARS

SERIES 508:



- Two drawbars in one
- Prevents excessive downtime
- Longer hex head & extended thread length
- To obtain "second life" after the end wears out, cut off at "V" notch and remove large spacer

Order No.	Dim. "A"	Dim. "B"	Thread Size	Type of Milling Mach.	Price
5081026 5081028			R8 7/16-20 R8 7/16-20	Variable Speed Step Pulley	

CLOCK SPRING ASSEMBLY

FOR MOST BRIDGEPORT® TYPE MACHINES SERIES 508:

Price Order No. 5081112





MACHINE MOUNTS

SERIES 450:





1.By preventing a vibrating machine from transferring vibration to other machines.

Weight

26lbs/12kg

40lbs/19kg

48lbs/22kg

54lbs/24kg

Price

2.By insulating precision machinery from external sources of vibration.

Choosing the Correct Royal Machine Mounts. Calculate the load on each mount by dividing the total weight of the machine by the number of mounting locations. Note: sometimes it may be necessary to compensate for machines which do not have an evenly distributed load.

Туре	1	2	3	4	5
Order No.	27001	27002	27003	27004	27005
Load Range per Mount (lbs.)	100-1,100	880-2,200	1,760-5,500	3,300-8,800	6,600-12,000
General Non-Impact Machinery					
Load Range per Mount (lbs.)					
Presses					
125 strokes/min-max	150-440	440-880	880-3,080	3080-5,940	5,940-8,800
180 strokes/min-max	130-300	260-770	770-2,420	2420-4,290	4,290-7,700
200 strokes/min-max	110-260	260-550	550-1,760	1760-2,860	2,860-5,280
Max. Load per Mount (lbs.)					
Plastic Injection	390	790	2,180	5,450	8,220
Molding Machines					
Diameter	3-5/32"	4-3/4"	6-5/16"	6-5/16"	7-7/8"
Height, Including Leveling Plate	1-5/8"	1-15/16"	2-5/16"	2-5/16"	2-23/32"
Over-All Height	5-1/4"	5-1/4"	7-1/2"	7-1/2"	7-7/8"
Level Adjustment	23/32"	23/32"	1"	1"	1"
Leveling Bolt Size	M12x1.25	M16x1.5	M20x1.5	M20x1.5	M20x1.5
Standard Leveling Bolt Length	4-23/32"	4-23/32"	6-11/16"	6-11/16"	6-11/16"
Price Each					

Stainless steel and zinc plated mounts available; please inquire.



- Royal Machine Mounts meet OSHA reguirements by preventing machines from "walking" - without the need for bolting or cementing.
- All mounts incorporate a large, chloroprene rubber base which is resistant to oil, water, and many chemicals.
- All metal parts are zinc plated for rust protection and long life.
- Support cup is machined from a solid bar instead of deep drawn, resulting in increased thickness and longer life.
- Unique retaining clip ensures that mounts will stay together when machine is moved to a new location.
- Better machine performance and reduced maintenance costs are two of the many benefits of using Royal Machine Mounts.

STAR TOOL SUPPLY / GRAND TOOL SUPPLY

POWER FEED

SERIES 508:



ELECTRONIC COUNTER & ELECTRONIC TIME COUNTER



LONGITUDINAL

- New stronger design with polished aluminum housing.
- 110v with manual reset switch.
- Eliminate gear changing.
- · Auto cut-off at end of cut.
- Pilot light.

SPECIFICATIONS:

Speed Range: 1-9" per minute Rapid Traverse: 40" per minute Torque Rating: 135 lbs/in Gearing: Helical

"X" and "Z" Axis Power feeds available; please inquire.



Superior Import

Order No. 5080015 **Price**

DIGITAL READOUT KITS

SERIES 725: Digital Z-Axis Readout for Bridgeport® Type Mills



- Can be mounted on almost any surface.
- SPC Output Resolution .0005" / 0.01mm.
- Accuracy: ± .001" / 0.03mm
- LCD unit displays "E-05" for movement error.
- Includes 2 mounting brackets and EZ mount bracket kit.
- · Offers precise linear measurement capabilties.
- One SR44 1.5V battery is supplied.
- Sliding unit can be moved 40" per second.

	LCD Horiz	zontal	LCD Ve	ertical
Range	Order No.	Price	Order No.	Price
6"/150mm 8"/200mm 12"/300mm 18"/450mm	7250061 7250081 7250121 7250181		7250062 7250082 8250122 8250182	

SERIES 257:

Super compact, large LCD display, long battery life, panel mount, reset.

- Connection: Lead wires, wire-wrap terminals.
- Counter has 30 cycle per second counting speed. Counts to 99,999,999.

Tel: 201-518-8461 / Fax: 201-596-3427

650 Huyler St / So. Hackensack, NJ 07606 USA

• Time counter - elapsed time up to 99,999.99 hours.

Electronic Counter

Order No. 2575000 **Price**

Electronic Time Counter

Order No. 2577500 **Price**



PRO/CALC® - MATERIAL DIRECTORY & SPINDLE SPEED CALCULATOR

SERIES 508:

Throw out those oil stained charts!

Pro/Calc® takes the guess work out of the question "what RPM should I be using?"

The Pro/Calc® a hand held battery operated reference directory that requires no mathematical computation

It is as easy as 1-2-3

Simply Select:

- 1- Material to be machined (80% of the most used metals)
- 2- Operation: cut-off, form tool, end mills, counterbore, turning, fly-cutting, face milling, tapping, reaming, and drilling.
- 3- Diameter of tool.

The correct RPM will automatically be displayed. (Also displayed are heat treated materials and tap drill sizes.)

Order No. 6000008 **Price**

Pro/Calc 1 1 1

BLUE KNEE LENGTH APRON

SERIES 309:



5-FIGURE DIGIT COUNTER SERIES 257:

Counts to 99,999. Reset knob for quick "zero" setting. 4 holes in base for easy and rigid mounting. Counter is activated by a 45° movement of the arm. Unit comes with a spring on the lever arm for attaching to machine.

Order No. 1735005 **Price** 39" overall; knee length with full bib and pocket.

> Order No. 1915500 **Price**



QUILL KIT

SERIES 572:

Easy Installation Fits Most Vertical Knee Mills FEATURES:

- Easy to read LCD with resolution of .0005"/0.01mm
- Push button controls for inch/mm, Zero-Set and On/Off
- Powered by a single SR-44 Battery which lasts about 1 year with normal use
- SPC Output for data transmission to Data Processors or LED Remote Display Box





Digimatic Quill Kit complete with brackets & scale for Bridgeport® Type machines.

Order No.	053-906
Price	

NEW MITUTOYO AOS - DRO SYSTEM KA COUNTER WITH AT - 715 MAGNETIC SCALES SERIES:

KA Counter

- Selectable Resolutions (.00005, .0001, .0002, .0005") allows choice according to the tolerance requirements of the work being performed
- Bolt Circle Calculation (eliminates need to use trigonometry to calculate hole positions)
- Diameter Mode (doubles reading on cross axis of lathe)
- Tool Offsets (stores datum points for 10 tools which eliminates need to re-zero after tool changes)
- Connectable with AT-715 Magnetic scales or AT-100 series Glass scales (allows use of magnetic and/or glass scales for different applications)
- RS-232 Output (optional) allows data capture and storage on remote computer
- Touch Probe (optional) allows automatic edge detection for zeroing part



AT-715 Magnetic Scales



- Fully submersible in coolant (coolant never effects scale position reading)
- +/- .00012" accuracy over ft./12 in.
- True Absolute (no battery backup means position information is never lost, even after power interruption)
- Shock Resistant
- Reader Head mounted on saddle guide for easy installation (alignment not as critical)

ABS AOS DRO Linear Scale System

SPECIFICATIONS

AT715 Linear scale

THE TOTAL COME				
	Electromagnetic induction system (3 tracks, absolute AOS)			
	0.005 mm / 0.002 mm / 0.001 mm (Changeable by parameter setting)			
	.0005 inch / .0002 inch / .0001 inch / .00005 inch (Changeable by parameter setting)			
Height	1.43" / 36.5mm			
Width	.87" / 22mm			
Length	varies according to travel length specified/ordered			
	3.94" x 70.87"/100 ~ 1800 mm			
	Mitutoyo original Serial format (can not connect to KL, KLL, KS, KC Counter)			
	(7 + 13L / 1000)um [L : Effective range (mm)]			
speed	50 m / min.			
	Corresponding to the regulations			
	Width			

KA-Counter	
Resolution	0.005 mm / 0.002 mm / 0.001 mm (Changeable by
	parameter setting)
	.0005 inch / .0002 inch / .0001 inch / .00005 inch
	(Changeable by parameter setting)
Readout	2-axis, 3-axis
	(Using 2-axis counter for 1-axis requirement.)
	(For lathes, using 3-axis counter with the parame-
	ter setting changed
Display	Seven segment LED / 7 digit, 1 digit for coordinate
	number
Main function	Zero setting, Preset, Low digit OFF, 10 coordinate
	position memory, Bolt-Hole-Circle, mm / inch con-
	version, Counting direction setting, Resolution set-
	ting (Parameter setting), Diameter display, 1/2 cal-
	culation, Smoothing display, Tool offsets (Paramete
	setting)
Input	Automatic discrimination of scale connected
	ABS AOS DRO scale (AT715 and AT100 series)
	2Vpp sine wave
Output	RS-232C interface (Option)
CE marking	Corresponding to the regulations

Mitutoyo

DIGITAL READOUT SYSTEMS **SERIES 572:**

DIGITAL READOUT SYSTEMS

MAGNETIC ABS - AOS - DRO PACKAGE FOR MILLING SYSTEM

USING KA COUNTER AND AT715 SCALES

Specify "Package" number when ordering.

2 Axis. KA Counter Milling System

		Y Axis T	ravel			
	AT715-300 (12")	AT715-300 (12") AT715-350 (14") AT715-400 (16")				
	For Bridgeport #1	For Taiwan	For Lagun	For Taiwan		
AT715-750 (30") Axis Travel	Package Number 174-173PM1	Package Number 174-173PM3	Package No.	Package No.		
AT715-900 (36") Axis Travel	174-173PM2		174-173PM4	174-173PM5		
AT715-1000 (40") Axis Travel		174-173PM6	174-173PM7	174-173PM8		

Package Includes:

- KA Counter
- Brackets for Scales
- AT715 Linear Scales
- Display Arm Kit

Order No. 5720001 **Price**

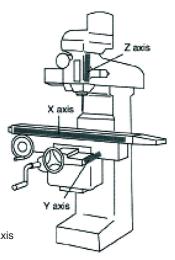
3 Axis, KA Counter Milling System (Z axis length 6")

	Y Axis Travel					
	AT715-300 (12")	AT715-350 (14")	AT715-400 (16")			
	For Bridgeport #1	For Taiwan	For Lagun	For Taiwan		
AT715-750 (30") Axis Travel	Package Number 174-175PM1	Package Number 174-175PM3	Package No.	Package No.		
AT715-900 (36") Axis Travel	174-175PM2		174-175PM4	174-175PM5		
AT715-1000 (40") Axis Travel		174-175PM6	174-175PM7	174-175PM8		

Package Includes:

- KA Counter
- Brackets for Scales
- AT715 Linear Scales/ AT715-150mm (6") for Z axis
- Display Arm Kit

Order No. 5720002 **Price**



AT100 SERIES - GLASS SCALE UNITS

FEATURES

1. Low-priced model AT115

The low-priced version of Mitutoyo Linear Scale AT115 series are available. The mounting dimensions of all the AT115 models are the same as those of the AT111 series. Most suitable for mounting on a milling machine or an XY table.

2. Joint structure of detector

The ball joint structure is employed at the joint of the detector head and the slider (sensor unit) inside the scale. This structure prevents the slider movement from deviating from the normal moving directions when the detector head shifts to right and left, thus providing a normal scale reading and increasing flexibility in the scale installation. In addition, this structure is highly rigid and therefore has an excellent durability.

3. Water-proof connector

A waterproof/splash-proof connector is used to enable separation of the signal cable. Thus, an installation and maintenance of the Linear Scale can be easily performed. (The signal cable in AT115 cannot be separated.)

4. Conduit armored type signal cable

A waterproof/splash-proof connector is used to enable separation of the signal cable. Thus, an installation and maintenance of the Linear Scale can be easily performed. (Thesignal cable in AT115 cannot be separated.)

5. Unique rubber-lip openings

The rubber-lip openings are shaped like the bottom of a ship that plows the water.

6. Excellent splash and dust-proof rubber lip structure

The rubber lips are made of a strong, special urethane and wires are inserted in these lips to improve the splash-proofing and dust-proofing of the scale. (AT102 only)

GLASS LINEAR SCALE PACKAGE FOR GRINDER SYSTEM

USING KA COUNTER AND AT115

2 Axis, KA Counter Grinder System

Specify "Package" number when ordering.

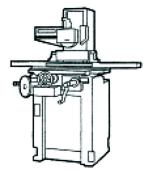
	Cross Side					
Vertical			AT115-250 (10")	AT115-300 (12")		
AT115-300 (12")	Package Number 174-173PG1L	Package Number 174-173PG8L	Package Number	Package Number		
AT115-350 (14")	174-173PG7L	174-173PG3L	174-173PG5L			
AT115-400 (16")		174-173PG4L	174-173PG13L			
AT115-450 (18")	174-173PG2L	174-173PG9L	174-173PG6L	174-173PG14L		
AT115-500 (20")	174-173PG10L	174-173PG11L	174-173PG15L			
AT115-600 (24")	174-173PG12L	174-173PG16L				

Many other packages available; please inquire.

Package Includes:

- KA Counter
- AT115 Glass Linear Scale / Magnetic Scale available at same price; please inquire
- Bracket Kits
- Display Arm Kit

Order No. 5720003 **Price**



LINEAR SCALE PACKAGES FOR LATHES

Package Includes:

- KA Counter
- AT115, AT102 Glass Linear Scale and Extension Cable.
- Bracket Kits
- Counter Stand Counter Trav
- 2 Axis, KA Counter Lathe System

		X Axis Travel				
Z Axis Travel	AT115-200 (8")	AT115-250 (10")				
	Package Number	Package Number	Package Number			
AT715-1000 (40")	174-173PL3	174-173PL4	-			
AT715-1200 (48")		174-173PL6	-			
AT715-1500 (60")		174-173PL 7	174-173PI 29			

Z-Axis Travel	Order No.	Price
1000 1200, 1500	5720004 5720005	

Specify "Package" number when ordering.



MACHINE SAFETY GUARD SYSTEMS

SERIES 986:



VISORGUARD™

Unbreakable Lexan® Shield Provides Complete Protection Between Cutting Tool and Operator's Eyes.

DOWN-TO-EARTH-FEATURES!

- Flexbar® arm permits setting of Visorguard™ at the correct height and angle for each setup.
- Flip shield up to load part and down for machining.
- Special spring-loaded shaft makes shield stay put no springback.
- Wing-shaped shield protects workers at adjacent machines.
- Flexbar® locks rigid; has stainless aircraft grade tension cable.
- Can be installed in minutes on CNC mills, conventional milling machines and others.

Dimensions:

SAFETY PRODUCTS

- Shield Size 16" wide X 8" high
- Flexbar arm 10" long



Model No.	Description	Order No.	Price
	Visorguard™ Complete with Mounting Bracket, Flexbar, and all mounting hardware.	8613055	
13050	Long Reach Visorguard™ Up to 40" total reach.	8613050	
13054	Complete with hardware, tube and mounting bracket. Lexan® Shield Replacement for both guards.	8613054	

While we show only the popular work was items we can supply

their entire range of products; please inquire.

THE LEXAN® FLEX-SHIELD

Protects Your Eyes Against Chip & Liquid Burns. Safety Shield on Flexbar® Universal Positioning Arm. Quick Cam Action Locking (Shield swivels 360° and locks positively where

- Overall Height of Flexbar Stand: 14"
- Super Power Disc Mag Base: 3.16" dia.
- Shields made of durable clear view Lexan 1/8" thick.
- Choice of concave or flat.

Concave Shield Models - Complete

Model No.	Shield Size	Order No.	Price
13313	6" x 8"	8613313	
13314	8" x 10"	8613314	
13315	10" x 12"	8613315	

Flat Shield Models - Complete

Model	Shield	Order	Price
No.	Size	No.	
13316	6" x 8"	8613316	
13317	8" x 10"	8613317	
13318	10" x 12"	8613318	



Lexan® Replacement Shields - Carton of 3

	C	Concave			Flat		
Shield Size	Model No.	Order No.	Price	Model No.	Order No.	Price	
6" x 8"	13093-L	8613093		13120-L	8613120		
8" x 10"	13094-L	8613094		-	8613121		
10" x 12"	13095-L	8613095		13122-L	8613122		

LATHEGUARD™



- Ready to mount: affix mounting bracket with two screws.
- Back of shield reinforced with plated wire-form housing.
- · Locks in swing away or functional positions.
- Swings away easily

- · Heavy Duty Cast Mounting bracket supplied.
- Heavy Duty Chrome-plated extension tube and hardware.

No.	Lathe Size	Height	Chucks	Width	Length	Length	No.	Price
12999	Very Small Lathes	3.9"	up to 6" dia.	6-1/4"	7.8"	10"	8612999	
13060	6" to 12"	6"	up to 8" dia.	6-1/4"	11.8"	10"	8613060	
13061	12" to 16"	8"	up to 12" dia.	8"	15.8"	11-1/2"	8613061	
13062	16" to 20"	10"	up to 16" dia.	8"	19.70"	13"	8613062	
13064	20" to 24"	13"	up to 20"dia.	8"	23.6"	13"	8613064	

Clear Lexan®, semi-circular Wrap-a-round Guards.

- Rib reinforced
- Robust construction
- · Light in weight
 - **EXCEEDS O.S.H.A. REQUIREMENTS**

TRAVELGUARD™

Cross slide type.

Extra-heavy duty O.E.M. type for Lathes, Grinding Machines, etc. Travels with cross slide operator protection wherever tool is cutting.

- · Easy to mount on cross slide (tool compound).
- Fully adjustable in all directionsforwards & frontwards.
- Heavy steel construction with thick Lexan® window.
- Frame is 3/4" construction made of heavy gauge steel with high quality painted finish.
- Front panel is hinged and can be lifted for quick access to machine.



Model No.	Description	Order No.	Price
13086 13087		8613086 8613087	

PANEL GUARD™

Portable, yet sturdy free-standing guard. Ideal for separating or back quarding machines. Additional panels can be added to cover any size area.

Flexbar Panel Guards™ consist of 4 hinged panels with a pivot spine. Frames are extruded aluminum; inserts are replaceable; lower panels are safety colored, tempered masonite; upper panels are 1/8" thick, high impact resistant, transparent Lexan® Panel Guard™ does not obstruct air circulation or visibility, yet confines chips and oil to machine area for easy cleanup.



Model No.	Description	Order No.	Price
13035	Flexbar Panel Guard™	8613035	
	Basic 4-Panel Set Complete		
13036	Flexbar Panel Guard™	8613036	
	2-Panel Expansion Set		
13037	Flexbar Panel Guard™	8613037	
	Extra Slide-In Flexible Hinge (1 ea.)		