

GLOBAL CAPABILITIES

PENCOM OVERVIEW

PENCOM's mission is to be the world's leading SOLUTIONS PROVIDER to OEM design engineers in the fields of mechanical and fabricated components, and to provide INVENTORY MANAGEMENT SOLUTIONS that localizes inventory, increases inventory turns, lowers inventory exposure, and reduces inventory management costs.

History

Founded in 1982 by William A. Gardiner, PENCOM employs more than 400 people globally and has over 200,000 square feet of manufacturing and logistics space world wide.

From its founding, PENCOM's staff worked with design engineers, providing solutions for product designs. With each new design, PENCOM built a reputation as a company that can solve difficult design problems. From drawing board to manufacturing, PENCOM's design solutions have been purchased by factories around the world. By adding local logistics centers, and our "SOLUTIONS" approach to meeting customers needs, PENCOM is able to provide customers with a higher level of service and support. Today, PENCOM has over 25 logistics sites in North America, Central America, South America, Europe, and Asia.

In 1999 PENCOM purchased its first manufacturing site, Accuracy Screw Machine in Hayward, California. Today, with plants in Hayward, California; Nogales, Mexico and Dongguan, China; PENCOM provides a full range of precision machining, turning, milling, and high volume production turning. These plants also manufacture PENCOM Captive Screws, Standoffs, Spacers, Press-in Sheet Metal Fasteners (Zins) and Inserts for Plastics (Zerts).

With the purchase of Visible Inventory in 2005, PENCOM became the leader in the field of INVENTORY AUTOMATION. Now our customers no longer need to actively manage inventory, instead; Visible Inventory remotely monitors it.

PENCOM's "*Manufactured globally, supplied locally*" philosophy continues to provide customers with low cost global manufacturing and localized inventory.



10		10	jii.	10	×.
			8		
10					











GLOBAL LOCATIONS

PENCOM's global logistics network currently consists of 25+ sites on 4 continents. It is through these logistics centers that we support the needs of the local customers.

These services are:

- » Quoting Customer's Requirements
- » Regular Visits to Customer Sites
- » Local Account Manager
- » Design Assistance to Engineers
- >> Inventory Support
- » Just-in-time Delivery
- Production Engineering Assistance
- Consolidated Shipments
- » VMI Programs
- » Automated Inventory Systems
- Consigned Inventory Programs
- » Cost Savings Through Application Evaluation
- » Local Part Quality Inspection
- » Quick Response to Quality Issues
- » Kitting of Components
- Prototype and Sample Support

PENCOM's global logistics network and manufacturing sites, allows PENCOM to "Manufacture Globally," while customers are "Supplied Locally." This system provides our customers with the flexibility to obtain components on a just-in-time basis, maintaining a ramp-up safety stock at PENCOM, with the advantage of global low cost manufacturing.

Sales Sites Manufacturing Sites Strategic Partner Sites

101 101

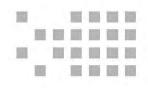
Americas

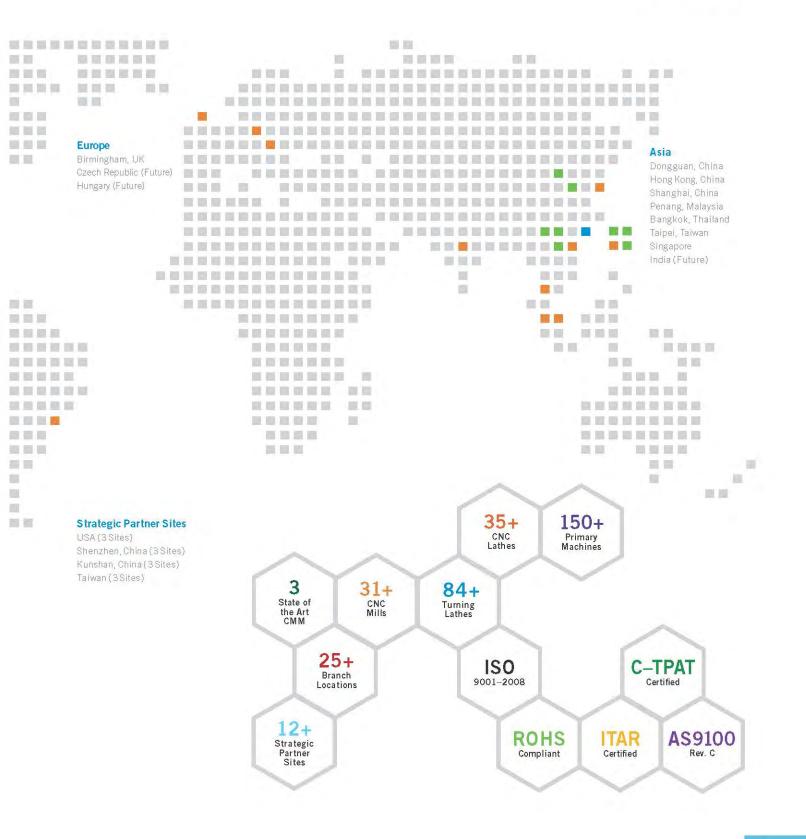
Tucson, AZ Brea, CA Hayward, CA San Carlos, CA Sacramento, CA Tampa, FL Atlanta, GA Charlotte, NC Salem, NH Las Vegas, NV Austin, TX Dallas, TX McAllen, TX Manaus, Brazil São Paulo, Brazil Toronto, Canada Nogales, Mexico Guadalajara, Mexico

DESCRIPTION OF -----------.......... 10 103 E 10 12 10 10 10.00 助用 用用用 0000 100 100 100 100 100 20 20 20 20 0000 63.65 10 10 E3.05 (E), (E) 83 E 10.15 10.10

D1 ID 00 00

12 12





MANUFACTURING FACILITIES



Capabilities – Production Turning PENCOM Hayward, California USA

PENCOM Accuracy is located in Hayward, California. The plant specializes in low and high volume quick turn parts. Using Davenport multi-spindle automatic screw machines, PENCOM is able to fulfill customer requirements for USA made parts in high volume. For smaller volumes, Brown & Sharpe single-spindle screw machines are used.



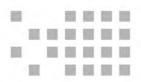
PENCOM CSS is located in Nogales, Mexico, within 5 miles of the US/Mexico border. This plant specializes in supplying low cost, high precision CNC turned and milled parts. Additional equipment includes Davenport multi-spindle screw machines for high volume, low cost parts.

Capabilities-Precision and Production Turning and Milling PENCOM Nogales, Mexico



Capabilities–Precision and Production Turning and Milling PENCOM Dongguan, China

PENCOM Dongguan is located 60 miles north of Hong Kong in southern China. It is a full service manufacturing plant capable of producing over 250,000 parts daily. Located in China's southern industrialized zone, there is excellent infrastructure support for heat treating, plating, tooling, and raw material.





Part Specifications:

Production T	urning
Diameter	:0.010 - 1.688*
Length	:0.010 - 3ft

Tolerance:	
Length	+/-0.001
0.D.	+/-0.001
I.D.	+/-0.001



Part Specifications:

CNC Turnin	g	CNC Milling	
Diameter	: 0.010 - 13.8*	Width	15° max
Length	: 0.020 - 21.1"	Length	27" max
		Height	12" max
Tolerance:		Tolerance:	
Length	+/-0.0005	Positioning	+/-0.0002*
O.D	+/-0.0003	Repeatability	+/-0.0001*
I.D.	+/-0.0003	Dimensional	+/-0.0003*



Part Specifications:

CNC Turning	
Diameter	: 0.010 - 11.0"
Length	: 0.020 - 15*
Tolerance:	
Length	+/-0.0005
0.D.	+/-0.0003
I.D.	+/-0.0003

CNC Milling

Width	20" max
Length	40* max
Height	20* max
Tolerance:	
Positioning	+/-0.0002"
Repeatability	+/-0.0001"
Dimensional	+/-0.0003*

MANUFACTURING CAPABILITIES

From the Aerospace industry to the Toy industry, PENCOM is recognized as a global manufacturer with the ability to tackle difficult parts successfully. Our parts range from spacers and standoffs for general industry to DNA testing plates for medical use. PENCOM can also supply upper level assemblies requiring welding, riveting, and/or fastening, eliminating multiple part management for its customers.

PENCOM currently has 31 CNC Milling Centers, 33 CNC Precision Turning Centers, 84 Production Multi-spindle and Single Spindle Screw Machines and continues to acquire machines as we grow. Support equipment includes EDM, stamping presses, centerless grinders, thread rollers, and multi-blade cut-off saws.

All plants are ISO certified and have an active continuous quality improvement program in place.

CNC Milling



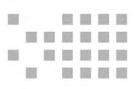


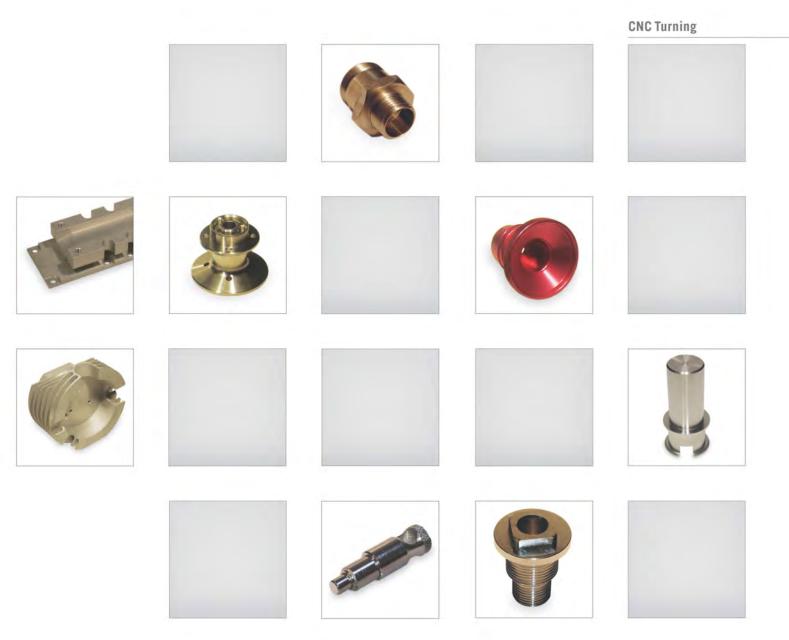


Material Examples:

Steel	12L14, 1215, 1144, 1020, 41L4
Brass	360, 353
Aluminum	6061, 2011, 2024, 7075
Stainless Steel	303, 316, 304, 416

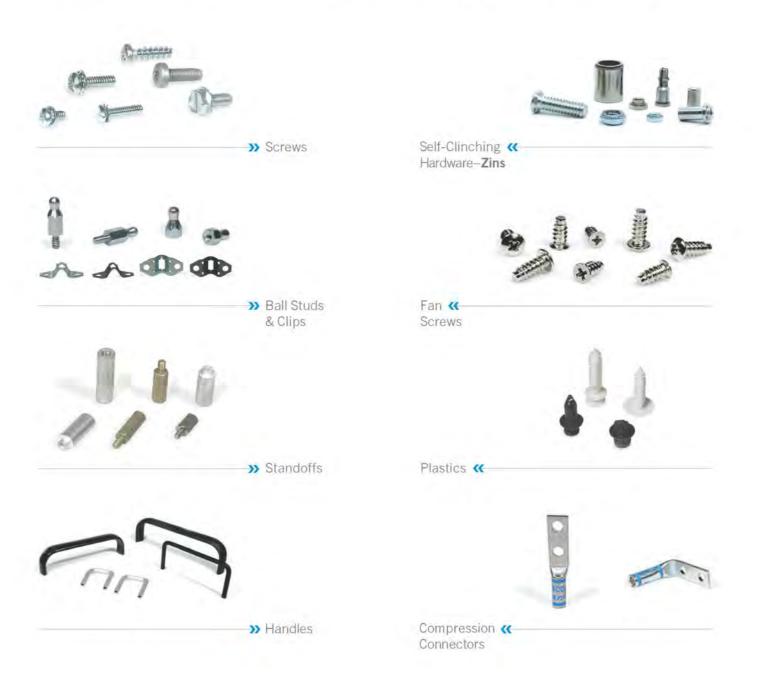


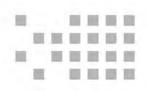


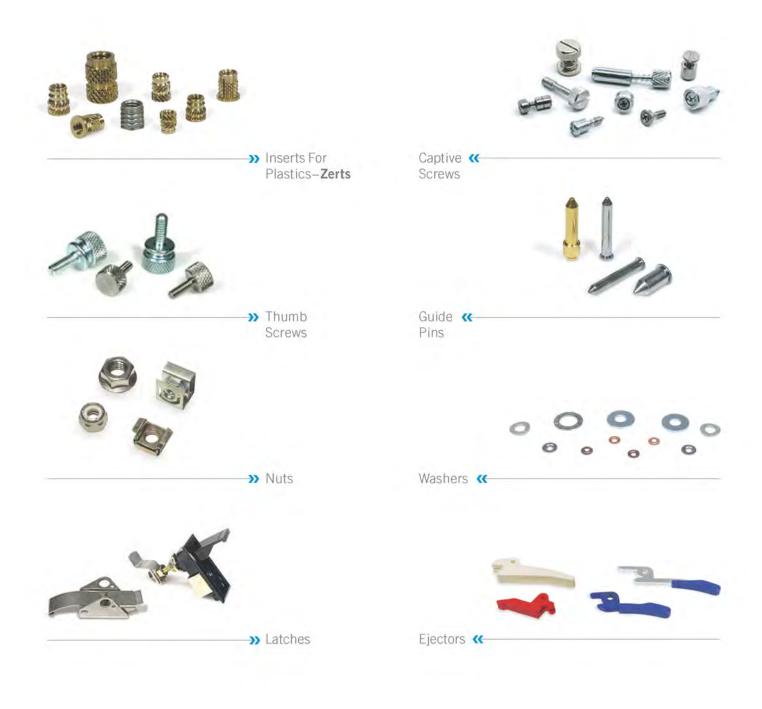


MECHANICAL HARDWARE

Since its inception, PENCOM has been a "Solutions Provider" for mechanical components. Today, PENCOM supplies a complete range of standard and custom mechanical hardware. PENCOM's ability to evaluate an application and provide a "Cost Effective Design Solution" makes it an invaluable asset to design engineers. By offering a complete line of mechanical components, PENCOM provides a "One Stop Solution" to manufacturing locations. Coupled with its "Global Logistics Network," PENCOM is the "GLOBAL SUPPLY CHAIN LEADER."

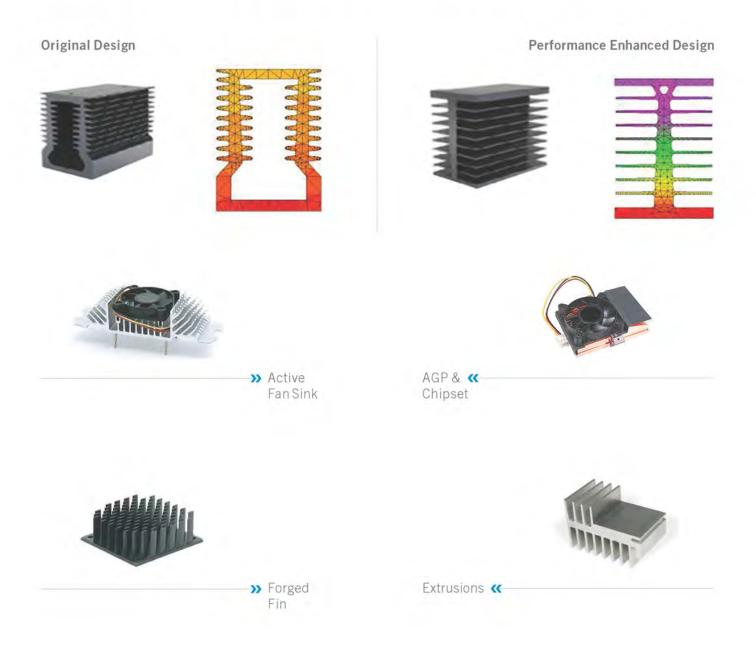




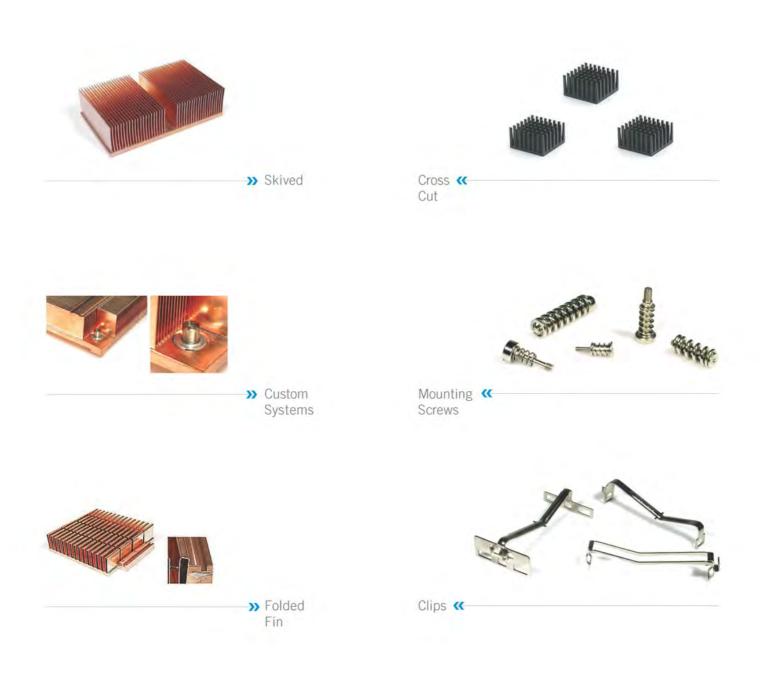


THERMAL COMPONENTS

PENCOM provides a complete thermal solution, from design to final product assembly. Capable of providing heat sinks from a simple milled-from-solid part to a complex stamped stacked fin heat pipe assembly with active cooling; PENCOM can provide a solution for all applications. Our thermal engineers assist designers in developing a thermal solution for each application. When required, thermal modeling software is used to validate the design solution. Once a design is finalized, PENCOM quickly fabricates prototypes for product testing. As parts move into production, PENCOM chooses its most cost effective manufacturing site to produce the part. Finally, parts are staged at our "Global Logistics Sites" for "Demand Pull" delivery.



		50	



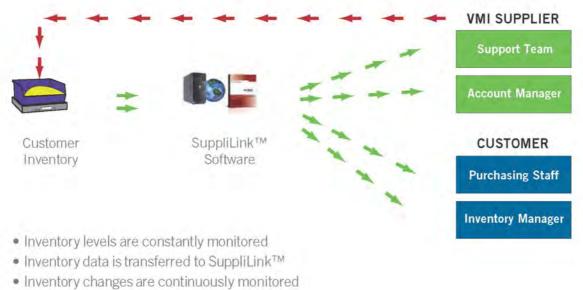


What is Visible Inventory?

Visible Inventory is a system that AUTOMATES the inventory management process. Using piece weight, a VI sensor calculates how many parts are in each bin location. SuppliLink[™] software takes the sensor information and converts it into actions, such as sending replenishment e-mails to vendors.

Taking the M out of VMI +

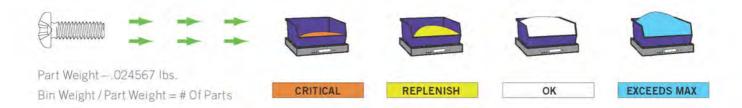
INVENTORY AUTOMATION SYSTEM THAT TAKES CONTROL OF YOUR PROGRAM



- SuppliLink[™] determines when a replenishment level has been reached
- · E-mails are sent to the support team
- Changes are recorded in a transaction log

How does Visible Inventory change a VMI program?

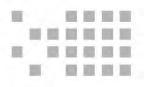
Visible Inventory constantly monitors inventory, eliminating the need to manually inspect each part location. SuppliLink[™] determines when a part has reached a replenishment limit and notifies the supplier via e-mail. The guess work of a traditional VMI program is eliminated.



SuppliLink[™] software keeps you in touch with your inventory

SuppliLink[™] keeps you in touch with your inventory wherever you are. With Visible Inventory's patent pending system, you can view your inventory from any global location at any time. Up to the minute inventory changes are recorded and the SuppliLink[™] data screen instantly refreshes to show the new inventory level. When changes in inventory cross one of the four preset limits, a notification can be sent to a cell phone, PDA, or transmitted via e-mail.

Color coded data enables fast inventory status checks. Data can be filtered to show inventory for a specific program, warehouse, or other attributes. SuppliLink[™] shows both customer and VMI supplier the same inventory data, putting both on the same page.



Part Number	Location	Parl Statul	Durrent	Perpension	Cimidal	Max Level Supplem	Part Description	Supplier Part Nam
2368-4558	City, State	TOR	Lovel	Lovels, 15	Level	Level Supplier 30 Hershey Foods Co.	Research peanut butter pup sweetness	Part ream
54646-01	City, State	Exceeds Max	76	20	15	25 Better dickinson & Co.	6 ml Symge	-
R-395	/City_State	IOK	18	10	- 61	201FAI Biectronics Corporation	Antenna 2 S181FL-S-RMM-2	
T-334-235	City State	OK.	10	ð	6	15 Petp II	Circuit board, fuse indicator	
FAL DOD UTT	Chu Chulter	(American Street		16	5	30 Oge Key Corporation	CONTRACTOR AND	
1.3662.2422	They Spans	Reclement	75	8	51	20 Dis-Key Corporation	Catcle 9 P AK178-3	
Apex 88	City, State	OK	26	25	10	50 FAI Blectronics Corporation	Cable: PO 10088-A	
0005-24	COL SON	As stores	0.	20	10	200 Put The	Enclosure 17345-510-990	
K-330-632	City, State	OK	30	20	10	10 Monks Manufectinno	Enclosure, Machined	
	_	0.000						
uppli	_						Lasi Refrestr 7/1	
uppli	_	Part Stanue	Gument	Plepteres/ Levels	Cirtica	Max Level Soppler	Last Refresh: 7/1 Pars Description	
uppli	Link Locanor (City, State	OK.	Leivel 20		Level 51	Level Scopler 30 Hershey Foods Co.	Part Description Redee a peanue butter cup sweetness	1/2003 11:38 Scitum
	Link Locanor [City, State City, State	OK Exceeds Max	Leivel 20 76	Levels 15 20	Level	30 Hershey Foods Co 35 Bection dickness & Co	Part Orequipment Restor a peanut butter cup sweetness a mit Syinge	1/2003 11:38 Scitum
uppli Markan Markan Markan Markan Rasa	Link Locasor City State City State	OK Exceeds Max OK	Lilvel 20 76 18	Levels 15 20 10	Level 15 5	Level Scopler 30 Hershey Folds Co 25 Bector Sckineon & Co 20 FAI Blectronics Corporation	Part Description Recent peanut butter cup sweetness dml Sylinge Anterna, 2 6181FL-5-RMM-2	1/2003 11:38 Scitum
	Link Locanor [City, State City, State	OK Exceeds Max	Leivel 20 76	Levels 15 20	Level 51	30 Hershey Foods Co 35 Bection dickness & Co	Part Reportion Retries peanul tutter cup sweetness d mit Syringa Anterma, 2 S181FL-5-RMM-2 Circut band fuse indicator	1/2003 11:38 Scitum
2015 Number 2016 Number 2016 4566 Tr 34566 Tr 34566 Tr 34565 Tr 34565 Tr 34565 Tr 34565 Tr 34562 Tr 345757 Tr 34562 Tr 34577 Tr 345777 Tr 345777777777777777777777777777777777777	Link Locason Oty State City State City State City State City, State City, State	OK Extrements Albos OK OK CHLIDD	20 20 70 18 10	Levels (5) 10 8 10	5 15 5 6 5	(revi) Socialist 30 Hershey Foods Co 26 Bectrin tickinen & Co 20 FAJ Bectrinics Corporation 15 Peco II 30 Dig-Neg Corporation	Part Deputation Reverse beand butter cup sweetness amitgives Amerox, 2 5131FL-5-PMM-2 Clicut board, fare instator Case, 0 - 13/04/s MBCP -Yo,	1/2003 11:38 Scitum
201 Number 2054 4568 17 3456 6 17 3456 6 17 3456 6 17 345 23 25 (19) 121 13552 2422	Link Coty State City State City, State City, State City, State City, State City, State City, State City, State	OK Extensis Max OK OK Extisse Replement	20 20 18 18 10 8 75	Levels 15 10 10 8 10 8 10 8	5 15 5 6 5 5	Levil Stopker 30 Hershey Foods Co. 25 Biedin Schknen & Co. 20 FAI Blectonics Corporation 15 Peccili 30 Disches Conjection 30 Disches Conjection	Part Description Bersis 5 potent butter cup sweetness am Sylvage Anierra, 2 5183FL-5-RMM-2 Count board Sweetnesdator Count, 9 CARAS-MCC-YAC, Cashi, 9 CARAS-MCC-YAC, Cashi, 9 CARAS-MCC-YAC,	1/2003 11:38 Scitum
AS Part Number 2356-4568 T-345-66 R-305 T-324-235 RM 605 227 T-3552-2422 Apex .88	Locators City State City State City State City State City State City State City State City State	OK Exceptly Max OK OK Critical Replement OK	20 70 18 10 8 75 26	Lévels 15 20 10 8 8 10 8 25	5 15 6 6 5 5 5 10	Central Stopker Stopk	Para Desprictors Reservs pearul buildr cup sweethess am Syrean Anterna, 2 Statist-US-RMA-2 Crist band, Size instator Case, 9 - 14/56, MICC 940, Case, 9 - 14/56, MICC 940, MICC 94	1/2003 11:38 Scitum
201 Number 2054 4568 17 3456 6 17 3456 6 17 3456 6 17 345 23 25 (19) 121 13552 2422	Link Coty State City State City, State City, State City, State City, State City, State City, State City, State	OK Extensis Max OK OK Extisse Replement	20 20 18 18 10 8 75	Levels 15 10 10 8 10 8 10 8	5 15 5 6 5 5	Levil Stopker 30 Hershey Foods Co. 25 Biedin Schknen & Co. 20 FAI Blectonics Corporation 15 Peccili 30 Disches Conjection 30 Disches Conjection	Part Description Bersis 5 potent butter cup sweetness am Sylvage Anierra, 2 5183FL-5-RMM-2 Count board Sweetnesdator Count, 9 CARAS-MCC-YAC, Cashi, 9 CARAS-MCC-YAC, Cashi, 9 CARAS-MCC-YAC,	1/2003 11:38 Scitum

PRODUCTS





"Manufactured globally, supplied locally"

www.pencomsf.com For inquiries please contact: sales@pencomsf.com

P_GLOB_CAP_07_18_12