



mBar Technologies, Inc

Productivity Through Innovation

mBar Technologies, Inc

mBar Technologies, Inc. is located in beautiful Boise, Idaho nestled among a few of the largest semiconductor companies in the world. We provide products and services to customers across the globe in semiconductor and solar related specialty manufacturing industries. Our passion is working with people to develop innovative engineered designs that solve real world problems and enhance productivity.

mBar Technologies, Inc. is a leading provider of precision refurbishment, calibration, repair, and engineering services. Creating innovative solutions that enhance process and machine productivity is our number one priority.

From concept, to design, to final test and qualification, our team of professionals work effectively meet your requirements whether they are aimed at maximizing system lifetime, lowering cost of ownership, or improving performance. Let us put our extensive knowledge and experience with precision equipment to work for you.

Services

mBar Technologies, Inc. is a full-service engineering company that provides exceptional value through our innovative manufacturing and refurbishment processes for precision components. Our experienced team has the expertise and capabilities to source, manufacture, and refurbish components to specifications that meet or exceed those of original equipment manufacturers. We've been providing semiconductor services and support for years to some of the largest electronics and precision technology companies in the world.



Refurbishment/Repair/Calibration Services

Refurbishment services, when done right, can effectively extend the life of equipment and components. The process requires knowledge of the system, parts and materials, and an understanding of the expected lifetimes of each component.

mBar Technologies, Inc. has extensive experience with refurbishment of a broad array of critical manufacturing equipment components and assemblies.

One of the key aspects of refurbishment is to ensure that component lifetimes are synchronized to limit overall maintenance and equipment downtime. mBar Technologies, Inc. has in-depth knowledge about extending product lifetime through carefully selected cleaning process, material selections, and design improvements. From diagnostics to reassembly, mBar Technologies, Inc. will ensure your machine, assembly, or component gets the highest quality care and service while saving significant time and money versus a complete replacement

Products

We refurbish/repair/calibrate many different types of parts and equipment including but not limited to:

- Throttle Valves
- Isolation Valves
- Gate Valves
- Liquid Injection Valves
- Liquid Flow Meters
- Capacitance Manometers
- Slurry Pumps
- Mass Flow Controllers
- Welding

The mBar Technologies, Inc. team can help you determine what the best options are for your system needs; it may be refurbishment, repair, replacement, re-design, or a combination of these depending on the equipment and your goals. We can give you guidance on the impact of the available options so that you can make the optimum choice for enhancing your operations.



Capacitance Manometers (Baratrons) Refurbishment

REFURBISHMENT SERVICE: Capacitance Manometers (Baratrons)

Services performed:

- Incoming inspection
- Initial Cleaning
- Passivation of Stainless Steel
- 10 Point Calibration
- Final Cleaning & Helium Leak Test
- Packaged in cleanroom environment
- Includes accompanying Test Report
- Chamber ready Quality Assurance

Models Serviced:

- MKS 100 Series
- MKS 600 Series
- MKS 700 Series
- MKS 800 Series
- Tylan/Millipore CDL Series
- Tylan/Millipore CMH Series



Our team of industry professionals are considered leaders in precision pressure and flow devices within the semiconductor industry. Our services are performed in clean environment with procedures that meet or exceed the most stringent OEM and industry specifications. We provide exceptional value, quick turn around times, and customizable testing procedures.

Phone: 208-794-8866

Fax: 208-988-9862

Email: service@mbartechnologies.com

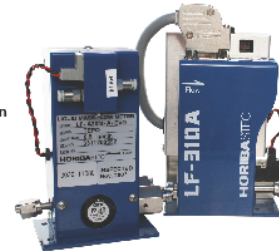


Liquid Flow Meter Clean and Calibration

Liquid Flow Meter

Services Performed:

- Incoming inspection & Failure Determination
- Initial Cleaning
- Gravimetric and Sonic Nozzle Calibration
- Testing and validation against factory specification
- Function Tested at "like process" flow rates
- Final cleaning and Helium Leak Test
- Packaged in Cleanroom environment
- Includes accompanying Test Report
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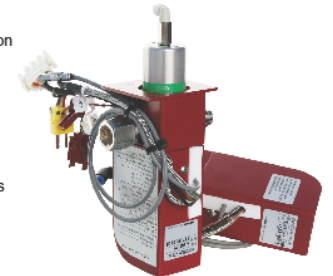


Injection Valves Refurbishment

REFURBISHMENT SERVICE: Injection Valve

Services performed:

- Incoming inspection & Failure Determination
- Complete Tear down and Initial Cleaning
- Passivation of Stainless Steel Components
- Inspection of Teflon surface
- Low Temp Sensor modification
- Testing and validation against factory specification
- Function Tested at "like process" flow rates
- Final cleaning and Helium Leak Test
- Packaged in Cleanroom environment
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HVA Mini Gate Valves Refurbishment

REFURBISHMENT SERVICE:

HVA Mini Gate Valve

New Replacement Parts:

- Seals
- O-Rings
- Bellows (As Required)

Services performed:

- Incoming inspection & Failure Determination
- Complete Tear-Down
- Passivation of Stainless Steel Components
- Flanges Resurfaced
- Function Test
- Final Cleaning & Helium Leak Test
- Packaged in cleanroom environment
- Includes accompanying Test Report
- Chamber ready Quality Assurance



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MKS 253B Series Throttle Valves Refurbishment

REFURBISHMENT SERVICE:

253B Throttle Valve

New Replacement Parts:

- Seals and O-Rings
- Bearings
- Set Screws
- Flapper Screws

Services performed:

- Incoming inspection & Failure Determination
- Complete Tear-Down
- Passivation of Stainless Steel Components
- Flanges Resurfaced
- Function Test
- Final Cleaning & Helium Leak Test
- Packaged in cleanroom environment
- Includes accompanying Test Report
- Chamber ready Quality Assurance



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Intellisys Throttling Butterfly Valve Refurbishment

REFURBISHMENT SERVICE:

Intellisys Throttling Butterfly Valve

New Replacement Parts:

- Seals and O-Rings
- Bearings
- Set Screws
- Flapper Screws

Services performed:

- Incoming inspection & Failure Determination
- Complete Tear-Down
- Passivation of Stainless Steel Components
- Flanges Resurfaced
- Function Test
- Final Cleaning & Helium Leak Test
- Packaged in cleanroom environment
- Includes accompanying Test Report
- Chamber ready Quality Assurance



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MKS 653B Series Throttle Valves Refurbishment

REFURBISHMENT SERVICE: 653B Throttle Valve

New Replacement Parts:

- Seals and O-Rings
- Bearings
- Set Screws
- Flapper Screws

Services performed:

- Incoming inspection & Failure Determination
- Complete Tear-Down
- Passivation of Stainless Steel Components
- Flanges Resurfaced
- Function Test
- Final Cleaning & Helium Leak Test
- Packaged in cleanroom environment
- Includes accompanying Test Report
- Chamber ready Quality Assurance



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Phone: 208-794-8666

Fax: 208-968-9662

Email: service@mbartechologies.com



MKS 683B Series Throttle Valves Refurbishment

REFURBISHMENT SERVICE: 683B Throttle Valve

New Replacement Parts:

- Seals and O-Rings
- Bearings
- Set Screws
- Flapper Screws

Services performed:

- Incoming inspection & Failure Determination
- Complete Tear-Down
- Passivation of Stainless Steel Components
- Flanges Resurfaced
- Final Cleaning & Helium Leak Test
- Packaged in cleanroom environment
- Includes accompanying Test Report
- Chamber ready Quality Assurance



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Fax: 208-968-9662

Email: service@mbartechologies.com



MKS T3BIA Series Throttle Valves Refurbishment

REFURBISHMENT SERVICE: T3BIA High Speed Throttle Valve

New Replacement Parts:

- Seals and O-Rings
- Bearings
- Set Screws
- Flapper Screws

Services performed:

- Incoming inspection & Failure Determination
- Complete Tear-Down
- Passivation of Stainless Steel Components
- Flanges Resurfaced
- Function Test
- Final Cleaning & Helium Leak Test
- Packaged in cleanroom environment
- Includes accompanying Test Report
- Chamber ready Quality Assurance



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MBAR



Malema MFC-8000 Slurry Controller Refurbishment

REFURBISHMENT SERVICE:

Malema MFC-8000

Services Performed:

- Incoming inspection & Failure Determination
- Complete Tear-Down
- Motor Driven pinch valve tubing replaced (OEM recommendation 1 yr PM cycle)
- Ultrasonic Flow Meter Tested
- Flow Controller Tested
- Unit Tested for repeatability at "like process" flow rates
- Leak Tested and Purged
- Packaged in Cleanroom environment
- Includes accompanying Test Report
- Tool Ready Quality Assurance



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Precision Welding

WELDING SERVICES:

Types:

- Gas Tungsten Arc (TIG)
- Micro Welding
- Metal Inert Gas (MIG)
- Brazing

Materials:

- Aluminum
- Stainless Steel
- Titanium
- Nickel
- Inconel



We have over 55 years of experience specializing in aluminum, stainless steel, titanium, Inconel and nickel; 38 of those years we honed our craft as aerospace, manned-space, and defense welders.

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VAT Valve Refurbishment

REFURBISHMENT SERVICE:

VAT Gate Valve

New Replacement Parts:

- Gasket
- Gate
- Bellows

Services performed:

- Incoming inspection & Failure Determination
- Complete Tear-Down
- Passivation of Stainless Steel Components
- Flanges Resurfaced
- Function Test
- Final Cleaning and Helium Leak Tested
- Packaged in Cleanroom environment
- Includes accompanying Test Report
- Chamber Ready Quality Assurance



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MKS 153 Series Throttle Valves Refurbishment

REFURBISHMENT SERVICE:

153 Throttle Valve

New Replacement Parts:

- Seals and O-Rings
- Bearings
- Set Screws
- Flapper Screws

Services performed:

- Incoming inspection & Failure Determination
- Complete Tear-Down
- Passivation of Stainless Steel Components
- Flanges Resurfaced
- Final Cleaning & Helium Leak Test
- Packaged in cleanroom environment
- Includes accompanying Test Report
- Chamber ready Quality Assurance



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Tylan/Millipore/Brooks AC2 Repair

Repair

REFURBISHMENT SERVICE:

Tylan/Millipore/Brooks AC2 Repair

Services Performed:

- Incoming inspection & Failure Determination
- Voltage output verified
- Verify Eprom settings
- Lead and Gain verified and adjusted if needed
- Unit Tested for repeatability at "like process" conditions
- Includes accompanying Test Report
- Tool Ready Quality Assurance



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Tylan MDV Series Throttle Valves Refurbishment

REFURBISHMENT SERVICE:

Tylan MDVX Throttle Valve

New Replacement Parts:

- Seals and O-Rings
- Belts
- Flapper Screws

Services performed:

- Incoming inspection & Failure Determination
- Complete Tear-Down
- Passivation of Stainless Steel Components
- Flanges Resurfaced
- Teflon Recoat Option
- Function Test
- Final Cleaning & Helium Leak Test
- Packaged in cleanroom environment
- Includes accompanying Test Report
- Chamber ready Quality Assurance



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MBAR



mBar Technologies, Inc
Global Data Management System
(GDS) and *Hololens*

GLOBAL DATA MANAGEMENT SYSTEM GDS

We offer a wide range of custom designed data management systems built to fit your company's specific needs.

Some of the many possibilities of your new system -

- Sub-Assembly Tracking
- Inventory Control
- Time Management
- Part Kiting
- Private Custom Labeling
- Data Security
- Performance Tracking
- Custom Customer Controls
- Cost Analysis across the Entire Company
- Staffing Controls
- Employee Performance Monitoring
- Finance Reporting
- Secure Data Backup
- Time Clock Integration
- Calendar Integration
- PO Management
- Live Data Reporting
- Document Management
- Revision Control
- ISO Compliant
- PM Controls
- Process Monitoring
- Employee Training Certifications
- Tool Monitor / Remote Control
- SPC
- And so much more...

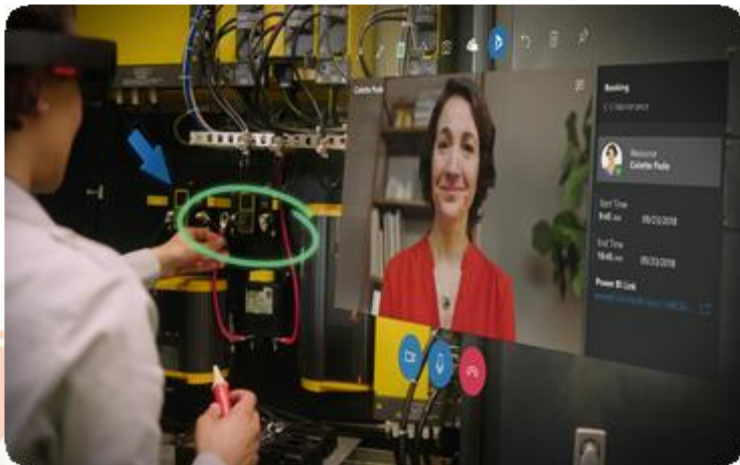




Microsoft HoloLens

As one of the original Microsoft HoloLens partners we offer a remote onsite assistant.

Enable on-site technicians to share what they see with remote experts, while staying heads-up, hands-free with Dynamics 365 Remote Assist on Microsoft HoloLens. Using modern tools like mixed reality video calling, annotations, and file sharing, technicians and remote experts can work together to solve problems in real-time.



Troubleshoot complex problems faster, the first time. Enable experts to assist technicians remotely, so you can save time, reduce travel costs, and improve operational efficiency.



HoloLens is an augmented reality (AR) headset, that is a “fully untethered, see-through holographic computer”.

The HoloLens allows users to experience 3D holographic images as though they are a part of their environment.

MBAR

GLOBAL DATA MANAGEMENT SYSTEM

GDS

GDS™
GLOBAL DATA SYSTEM

Main Menu

Menu	Shipping	Administrative	System
Production Menu	Create Packing Slip	Document Management	Search Database
PM Menu	Post Custom Labels	User Manual	Print Active Job List
Chemical Management Menu			Reference Photos
Administrator Menu			Work Order Photos
Financial Report Menu			Part Identification Photos
On Site Employees			Order Repair Parts
E2			Revision Log
Time Clock			About
Close			
Software License Terms			
Report Problem			
Quit Program			

M
PRODUCTIVITY

Productivity Through Innovation
World Class Precision Calibration, and Refurbishment.

Monday, December 2, 2019
2:17:06 PM

The system is designed to fit the needs and requirements of the customer in a easy to understand and easy to use format. Complete control over the whole of your business from just one central interface.

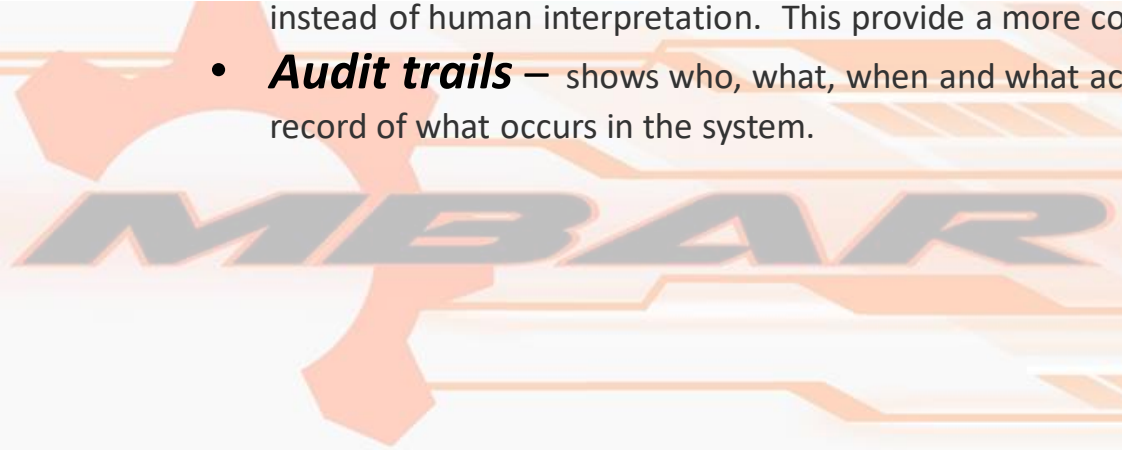
The dynamic modular interface allows the system to grow and expand with your business, no need to scrap the whole system and upgrade to a different system when your business grows.

GLOBAL DATA MANAGEMENT SYSTEM

GDS

Managing your Workflow

- **Streamline** – By identifying and removing unnecessary steps/processes.
- **Reduce errors** – By alerting management of current status and reject levels.
- **Assign tasks** – These can be assigned to people with appropriate skills to perform the task.
- **Tracking reports** – Including who worked on the assembly, tech-level, repair time, parts ordering, cycle counts, tool identification, increasing/reducing forecasts, tracking rejects, and paid-for-performance bonuses.
- **Reduce waste and save time** – Eliminate unnecessary paperwork and paper chasing. The constant movement of workflow means once a technician has finished their part, they can immediately pass it on so it does not sit idle.
- **Improve visibility** – Tracking can allow a team member to instantly check the status of an item. It allows key people to see critical processes at every step, identify bottlenecks, and monitor performance throughout.
- **Scripted automation** – Decisions that were determined by people can be made by the system, based on system rules instead of human interpretation. This provide a more consistent output.
- **Audit trails** – shows who, what, when and what actions were performed. Since the system is linked to a database, it keeps a record of what occurs in the system.



GLOBAL DATA MANAGEMENT SYSTEM GDS

Proven Results

The Toyota car company adopted Ford's assembly line in the 1950s, and later developed their own lean production database system. Over the following years, the benefits of their in-house system resulted in:

- Productivity increases between 300% and 400%.
- Labor productivity increased an average of 25% a year.
- Defect rates reduced from over 2,000 parts per million to less than 50 parts per million, and in many instances to less than 10 parts per million.
- Cost of quality reduced by over 60%.
- Work-in-process inventory decreased by more than 80%.

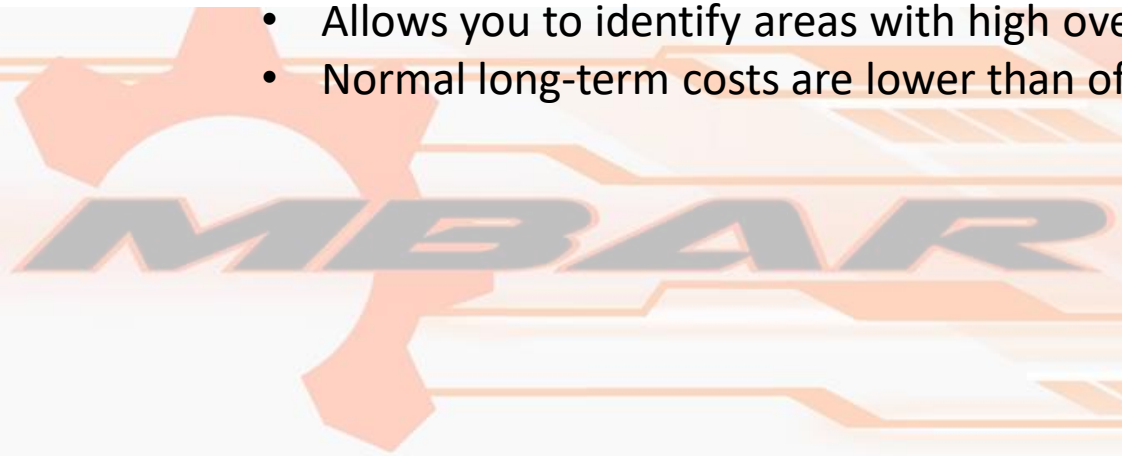


GLOBAL DATA MANAGEMENT SYSTEM GDS

End Results:

Benefits of Custom-Built In-House Database Systems

- Fits exactly to the business requirements of the company.
- Positive relationship between the development team and the end user.
- Full control over the system and its functionality.
- Provides a greater competitive advantage over an off-the-shelf software.
- Ability to implement updates and process changes instantly.
- Easier to orientate staff to the software, because it follows your business practices and vernacular.
- Modular system allows you to build the core components, then build out as you grow.
- Allows you to identify areas with high overhead.
- Normal long-term costs are lower than off-the-shelf software.



GLOBAL DATA MANAGEMENT SYSTEM GDS

Sub-Assembly Tracking (4 Easy Steps)

1 Answer a few questions to start new job entry, the system fills in the rest.

2 Search for Part by either quick Boolean Search or select from available Part List.

3 Enter required information (set by system administrator).

4 Add Incoming Inspection Photos, if required.

Part Number	Customer Part Number	Part Description
250013675		Airflow Testing
250013297		AMAT Head Testing Station
250013402		Cleanroom Certification Testing
250013212		Fideler® Test Suite(TM) Software
250013536		Minienvironment Testing
250013201		Single metal lab testing
250099998	1234-3455	TEST ITEM
250013900	OEM-12345	TEST Item 2
250013998	81-13998	Test Item for Testing
350010014	TEST-KIT-181	Test Kit Number 181
250013895	81-0000AB	Test Part Number
250013726		Throttle valve, 2 phase - replace components, clean and function test unit
250013501		Water sampling testing

Customer	MBAR TECHNOLOGIES INC
Part Number	250099998
Customer Part Number	1234-3455
Part Description	TEST ITEM
Serial Number	12345
Quantity	1
Due Date	12/11/2019
Work Code	110
Miscellaneous Charge?	N
Red Tag or Rejected?	O

GLOBAL DATA MANAGEMENT SYSTEM GDS

Inventory Control

This is the collection of all the items your company rebuilds, including single sub assemblies and complete kits with multiple items within each kit.

Build Custom QA Data Collection Requirements

New Repaired Part with assigned Company Spec and Photo of the Part

Custom Label Assignment for each Part

Custom QA Data Sheets

GMS (Global Management System)

Add a New External Part Number

New Part Number: **250013999** Change Part Number

Part Information | Part Pricing | Data Collection Label | Part Label

Part Description: Test Part A

Build Kit:

Alternative Part Number: 81-245934

Customer Part Number: DEV-01-1967

Customer Specific: Y Assigned to Customer: MBARTECH

Product Code: A

GL Code: 1210

PO Assignment: NONE

Assigned Department: 120

Assigned Spec Number: 100256

Drawing Number: NONE

Drawing File Name:

Special Notes / Comments: This is a test

Internal Notes / Comments:

Save Cancel

GMS (Global Management System)

Add a New External Part Number

New Part Number: **250013999** Change Part Number

Part Information | Part Pricing | Data Collection Label | Part Label

Data Collection (QA Readings by Part Number) For Part Label Insert

Coating Thickness: No

Hole Diameter: Yes

Surface Roughness (Ra): No

Flatness: Yes

Number of Required Readings: 2

Hole Surface Readings: 2

Hole ID Readings: 2

Hole Weight Readings: 2

Insert Label Sample

Insert Label Sample

Insert Label Sample

Insert Label Sample

Part Count (Max of 3 Selections): 3

GMS (Global Management System)

Add a New External Part Number

New Part Number: **250013999** Change Part Number

Part Information | Part Pricing | Data Collection Label | Part Label

Print Cleanroom Label? Y

Include QA Data / Cal Sheet? None

Total Number of Hole Readings: 2

Total Number of Flatness Readings: 3

Add Special Label? Y

Standard Company Cleanroom Label (4 x 6 inch)

Insert Label (if required) Click-On the Image Below to Add to Cleanroom Label

Special Labels (if required) (2 x 3 inch)

CRITICALLY CLEAN PART

HELIUM LEAK-CHECKED PART x10

Save Cancel

GMS (Global Management System)

QA Certification Data

New Part Number: **250013999**

Part Description: Test Part A

Q3: Yes

Coating Thickness: Yes

Hole Diameter: Yes

Surface Roughness (Ra): No

Flatness: Yes

Number of Required Reading: 3

Hole Surface Reading: 2

Hole ID Reading: 2

Hole Weight Reading: 2

Flatness - ID Reading: 3

Flatness - OD Reading: 3

Data Collection Type: Print & Data Collection

QA Certification Sheet

Part Description: Test Part A

Serial Number: 12345678

Customer: ABC Company

Job Number: 9999999999

Reading Type	Position	Reading	Min Surface Reading	Max ID Reading	Min Weight Reading	Max OD Reading
Q3	1	99				
Q3	2	99				
Q3	3	99				
Q3	4	99				
Coating	1	99				
Coating	2	99				
Coating	3	99				
Coating	4	99				
Coating	5	99				
Hole Diameter	1	99.99	99.99	99.99		
Hole Diameter	2	99.99	99.99	99.99		
Hole Diameter	3	99.99	99.99	99.99		
Hole Diameter	4	99.99	99.99	99.99		
Ra	1	99				
Ra	2	99				
Flatness	1		99.99	99.99		
Flatness	2		99.99	99.99		
Flatness	3		99.99	99.99		

Paper Information

Paper Type: Blue Cleanroom

Paper Size: 8"

Printer Type:

Save Cancel

GLOBAL DATA MANAGEMENT SYSTEM GDS

Internal Inventory Control

Add the ability to control all aspects of inventory, which could include; rebuild kits, order limits, item assignment, location, quantity available, pricing controls, vendor controls, or even a picture of the item.

GMS (Global Management System)

Add a New Inventory Part Number

Wednesday, December 4, 2019

New Part Number: 150023432 [Change Part Number](#)

Part Information | Part Pricing | Vendor Information | Inventory Location

Part Description:

Alternative Part Number: [UPPERCASE](#) [lowercase](#)

Associated Part Number:

Customer Specific: [N](#)

Product Code:

Inventory GL Code:

Assigned Department:

Drawing Number: NONE

Drawing File Name:

Special Notes / Comments:

Internal Notes / Comments:

[Add Photo](#)

[Save](#) [Cancel](#) [User Manual](#) [Report Problem](#)

GMS (Global Management System)

Add a New Inventory Part Number

Wednesday, December 4, 2019

New Part Number: 150023432 [Change Part Number](#)

Part Information | Part Pricing | Vendor Information | Inventory Location

Pricing Unit:

Quantity On Hand:

ReOrder Level:

ReOrder Quantity:

Quantity On Reserve:

Lock Price: [N](#)

Match Quantity Breaks: [Y](#)

Price Calculation Method: [Cost + Markup](#)

Commission Percentage:

Miscellaneous Charge: \$

Miscellaneous Description:

Last Price Change: 12/04/2019

Pricing Quantity Breaks		
Quantity		Price
Quantity 1:	1	\$ 0.00
Quantity 2:	0	\$ 0.00
Quantity 3:	0	\$ 0.00
Quantity 4:	0	\$ 0.00
Quantity 5:	0	\$ 0.00
Quantity 6:	0	\$ 0.00
Quantity 7:	0	\$ 0.00
Quantity 8:	0	\$ 0.00

[Save](#) [Cancel](#)

GMS (Global Management System)

Add a New Inventory Part Number

Wednesday, December 4, 2019

New Part Number: 150023432 [Change Part Number](#)

Part Information | Part Pricing | Vendor Information | Inventory Location

Quantity On Order:

Lead Time (Days):

Stocking Cost: \$

Global Markup %:

Purchasing Factor: [1](#)

Purchasing Unit:

Purchasing GL Code:

Primary Vendor:

Secondary Vendor:

Backup Vendor:

Last Release Number: [NONE](#)

Last Release Date: [12/4/2019](#)

Last Release Quantity: [0](#)

Routing Date: [12/4/2019](#)

Purchasing Quantity Discount Incentives			
Quantity	Cost	Markup %	
Quantity 1:	1 \$	0.00	0
Quantity 2:	0 \$	0.00	0
Quantity 3:	0 \$	0.00	0
Quantity 4:	0 \$	0.00	0
Quantity 5:	0 \$	0.00	0
Quantity 6:	0 \$	0.00	0
Quantity 7:	0 \$	0.00	0
Quantity 8:	0 \$	0.00	0

[Save](#)

GMS (Global Management System)

Add a New Inventory Part Number

Wednesday, December 4, 2019

New Part Number: 150023432 [Change Part Number](#)

Part Information | Part Pricing | Vendor Information | Inventory Location

Default Bin Location:

Stocking Unit:

Bin Location Information		
Bin No.	Bin Location	Quantity in Bin
Bin 1:		
Bin 2:		
Bin 3:		
Bin 4:		
Bin 5:		

Bin 1 Lot:

Bin 2 Lot:

Bin 3 Lot:

Bin 4 Lot:

Bin 5 Lot:

[Save](#) [Cancel](#) [User Manual](#) [Report Problem](#)



GLOBAL DATA MANAGEMENT SYSTEM GDS

Kiting

Build custom kit packages for each of your customers, add tracking, custom labels, and even QA collection.

Adding a New Kit to your company's available rebuilds

Setup Custom Labels for this Full Kit, and or each part assigned to the Kit.

Select which items make up the whole Kit.

Build Customer Kit

Kit Part Number: 350010015
Assigned to Customer: QORVO
Ship ONLY as Complete Kit? Y

Select Part	Company Part Number	Part Description	Alternative Part Number	Customer Part Number
Add	250013102	Shutter, Evaporator, SS - grit blast and clean		
Add	250013105	Shutter, Evaporator, SS		
Add	250013111	"CU" 6" Teflon Cassette Clean		
Add	250013181	Upper Vat Slot Shield Strip & Re-Anodize		
Add	250013182	Left View Port 82mm Strip & Re-Anodize		
Add	250013183	Right View Port 82mm Strip & Re-Anodize		
Add	250013184	Viewport Shield 48mm Strip & Re-Anodize		
Add	250013185	Segment Upper Strip & Re-Anodize		
Add	250013186	Segment Lower Left Strip & Re-Anodize		
Add	250013187	Segment Lower Right Strip & Re-Anodize		
Add	250013188	Lower Chamber Shield Strip & Re-Anodize		

List of Selected Part Number associated with this kit

Remove Item From Kit	Company Part Number	Part Description	Alternative Part Number	Customer Part Number
Remove	250013181	Upper Vat Slot Shield Strip & Re-Anodize		
Remove	250013182	Left View Port 82mm Strip & Re-Anodize		
Remove	250013183	Right View Port 82mm Strip & Re-Anodize		
Remove	250013184	Viewport Shield 48mm Strip & Re-Anodize		

Labels:

Standard Company Cleanroom Label (4 x 6 inch)

Insert Label (if required) Click-On the Image Below to Add to Cleanroom Label

Loc.	Condition
A	GOOD
B	GOOD
C	GOOD

Special Labels (if required) (2 x 3 inch)

HELIUM LEAK-CHECKED
x10-_____

CRITICALLY CLEAN PART

HANDLE WITH CARE
CLEANROOM PACKAGED
INSTALLATION READY
USE CLEANROOM GLOVES WHEN HANDLING

HE
HELIUM LEAK-CHECKED PART
x10-_____

User Manual Report Problem

GLOBAL DATA MANAGEMENT SYSTEM GDS

Custom Financial Reporting

The screenshot displays the GDS Global Data System interface. On the left is the 'Financial Main Menu' with various report options. On the right is a detailed 'Billing Report by Department' for the period ending 1/25/2013.

Financial Main Menu

Financial Reports

- Income Statement
- Journal Entry by Department Number
- WP Report by Department
- WP Status Reports
- Weekly A/P and A/P Reports
- Daily Shipped Report
- Days in Process by Job Number
- Days in Process by Company
- A/R Report by Department
- A/P Report by GL Account
- Return to Main Menu

Totals by Part Numbers

- Time Management by Job Number
- Time Management by Part Number
- Time Management by Department
- Time Management by Employee

Billing Report by Department

Selected Date Range: Starting Date: 1/1/13 Ending Date: 1/25/2013 Display Income Report

Billing by Department	Management 100	Critical Clearing 110	Robotics 120	Assembling 130	Fabric 140	CPT 150	EMC 160	Fast Services 170	Fabrication 180	Totals
1000 Business Income	\$23,800.00	\$2,371,605.58	\$306,162.96	\$61,886.75	\$624,957.32	\$1,683,777.33	\$834,768.75	\$1,390,321.12	\$257,951.69	\$7,955,321.30
1100 Refunds	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$23,800.00
1200 Cash Discounts	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$23,800.00
Total Revenue	\$23,800.00	\$2,371,605.58	\$306,162.96	\$61,886.75	\$624,957.32	\$1,683,777.33	\$834,768.75	\$1,390,321.12	\$257,951.69	\$7,955,321.30
Cost of Goods Sold (Direct Cost)	100	110	120	130	140	150	160	170	180	Total
7000 Raw Materials	\$15,421.74	\$61,367.21	\$178,645.18	\$8,340.00	\$416,922.96	\$128,115.41	\$0.00	\$4,006.00	\$213,047.15	\$1,027,871.65
7100 Contract Services	\$475.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$475.00
7100 Sales Commissions	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7200 Freight / Shipping	\$47,370.47	\$17,367.48	\$8,122.22	\$196.24	\$13,132.00	\$7,062.63	\$0.00	\$2,252.63	\$5,726.77	\$102,091.12
7300 Dates and Taxes	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7400 Direct Labor	\$1,456,930.97	\$76,762.21	\$11,136.08	\$0.00	\$7,623.10	\$64,799.03	\$0.00	\$55,030.01	\$11,448.00	\$1,694,049.00
7410 Indirect Labor	\$415,163.10	\$472,290.02	\$18,636.35	\$0.00	\$64,794.86	\$250,148.07	\$0.00	\$305,068.26	\$96,123.76	\$1,667,211.22
7420 Holiday Pay	\$7,247.12	\$14,534.46	\$1,600.00	\$0.00	\$1,643.44	\$5,321.26	\$0.00	\$7,252.40	\$3,671.84	\$41,280.64
7430 Vacation Pay	\$15,236.35	\$27,447.54	\$6,461.00	\$0.00	\$913.61	\$11,771.05	\$0.00	\$17,039.31	\$4,003.84	\$62,893.71
7500 Payroll Taxes	\$418,366.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$418,366.23
7510 FICA Tax	\$98,154.79	\$43,027.55	\$4,739.96	\$0.00	\$5,994.11	\$21,967.42	\$0.00	\$26,646.00	\$6,312.52	\$179,443.04
7520 FUTA Tax	\$2,789.10	\$961.16	\$17.24	\$0.00	\$90.91	\$699.07	\$0.00	\$423.70	\$3,671.84	\$6,669.02
7530 WA Worker's Com Tax	\$3,430.10	\$12,293.77	\$466.82	\$0.00	\$423.70	\$2,633.64	\$0.00	\$443.94	\$1,243.46	\$21,155.71
7531 OR Worker's Com Tax	\$1,263.76	\$0.00	\$0.00	\$0.00	\$21.44	\$20.70	\$0.00	\$1,145.40	\$0.00	\$2,451.30
7540 WA Unemployment Ins	\$58,154.79	\$4,567.29	\$995.20	\$0.00	\$1,628.52	\$3,767.35	\$0.00	\$179.02	\$2,490.68	\$77,699.25
7541 CO Unemployment Ins	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7542 OR Unemployment Ins	\$1,490.94	\$0.00	\$0.00	\$0.00	\$0.00	\$416.42	\$0.00	\$2,095.58	\$0.00	\$4,013.91
7543 TX Unemployment Ins	\$243.00	\$1,364.29	\$327.36	\$0.00	\$0.00	\$895.47	\$0.00	\$1,297.29	\$265.86	\$4,918.27
7550 WA EAP	\$0.00	\$1,835.21	\$36.35	\$0.00	\$153.00	\$740.00	\$0.00	\$0.00	\$171.67	\$2,136.30
7600 Employee Benefits	\$36,629.02	\$2,019.10	\$129.12	\$0.00	\$201.10	\$2,201.22	\$0.00	\$1,063.59	\$406.12	\$41,638.19
7610 Medical Insurance	\$215,600.38	\$23,214.73	\$14,369.43	\$0.00	\$2,368.46	\$26,869.04	\$0.00	\$29,871.10	\$14,849.45	\$330,740.00
7620 Dental Insurance	\$14,074.25	\$1,857.45	\$615.10	\$0.00	\$262.21	\$1,668.14	\$0.00	\$2,736.05	\$443.00	\$21,302.40
7700 Purchase Discounts	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total Cost of Goods Sold	\$2,798,164.85	\$767,605.70	\$391,300.86	\$8,742.24	\$1,161,574.10	\$1,411,363.40	\$0.00	\$416,039.85	\$367,812.65	\$10,712,280.73
Gross Profit	\$2,745,364.85	\$1,603,999.88	\$234,862.10	\$53,144.51	\$308,423.14	\$1,142,413.93	\$834,768.75	\$974,281.27	\$100,869.96	\$2,243,040.77
General and Administrative Costs	100	110	120	130	140	150	160	170	180	Total
8000 Amortization	\$33,152.00	\$0.00	\$0.00	\$0.00	\$0.00	\$76,061.00	\$0.00	\$0.00	\$0.00	\$109,213.00
8100 Bad Debt Expense	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8100 Bank Charges	\$25,953.38	\$2.16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2.50	\$26,958.10
8200 Utilities	\$12,561.82	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$12,561.82
8300 Vehicle Expense	\$22,317.72	\$13,155.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$222.10	\$35,695.32
General and Administrative Costs	\$2,516,000.63	\$354,154.63	\$17,861.40	\$11,362.53	\$154,873.55	\$162,635.50	\$86,741.65	\$113,566.51	\$16,030.73	\$3,087,166.50
Total Operating Income	\$1,261,374.48	\$1,249,634.95	\$206,666.64	\$41,781.98	\$153,549.59	\$978,791.55	\$148,027.10	\$957,694.76	\$146,791.68	\$3,330,278.81
Other Income and Expense	100	110	120	130	140	150	160	170	180	Total
9000 Other Income	\$24.01	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$24.01
9100 Other Expense	\$9,841.33	\$200.00	\$0.00	\$0.00	\$0.00	\$0.00	\$175.00	\$0.00	\$100.00	\$10,216.33
9510 Loss on Disposal of Asset	\$10,137.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$10,137.50
Total Other Expense	\$19,978.83	\$200.00	\$0.00	\$0.00	\$0.00	\$0.00	\$175.00	\$0.00	\$100.00	\$20,453.83
Net Income	\$1,241,395.65	\$1,249,434.95	\$206,666.64	\$41,781.98	\$153,549.59	\$978,791.55	\$148,027.10	\$957,694.76	\$146,791.68	\$3,319,824.98

Detail Company Income Statements

GLOBAL DATA MANAGEMENT SYSTEM GDS

Document Management

Manage all your ISO Compliant Company's Documents from a single location, including Specs, Work Instructions, Handbook, Drawings, etc. Keep track of the document, Date Modified, Revision Date, Revision Number, Active Status, and even who modified the document. Work Instructions can even be linked to a specific rebuild part.

GDS (Global Data System)

Company Documents

Document Type: SPEC Status: Released

Double-Click within any Field below to display the J

Document Number	Creation Date	Created By	Document Type	Description
100237	2/6/2017	JEN	SPEC	XGT Valve 200mm
100238	3/22/2019	rgillespie	SPEC	200mm Novellus Spindle
100239	3/22/2019	rgillespie	SPEC	Varian Roplat
100240	3/22/2019	rgillespie	SPEC	Unit-Celenty Gen2 Digital Calibration
100241	3/22/2019	rgillespie	SPEC	P5000 Robot
100242	3/25/2019	rgillespie	SPEC	200mm Vat Slit Valve
100243	3/25/2019	rgillespie	SPEC	300mm Pivots
100244	3/25/2019	rgillespie	SPEC	Qorvo EVP 4900 Kit
100245	3/25/2019	rgillespie	SPEC	Moving Clips
100246	3/25/2019	rgillespie	SPEC	TxZ HP Work Instructions
100247	3/25/2019	rgillespie	SPEC	Gearhead Type A
100248	3/25/2019	rgillespie	SPEC	200mm SVDA Clean
100249	3/25/2019	rgillespie	SPEC	B101 Heater
100250	3/25/2019	rgillespie	SPEC	VIIision Drive Spindle
100251	3/25/2019	rgillespie	SPEC	Platen
100252	3/25/2019	rgillespie	SPEC	Gearhead RT90-030
100253	3/25/2019	rgillespie	SPEC	DxZ Work Instructions
100254	3/25/2019	rgillespie	SPEC	WxZ Work Instructions
100255	3/25/2019	rgillespie	SPEC	Rotary Seal (Small)
100256	3/25/2019	rgillespie	SPEC	Oerlikon Carrier Work Instructions
100257	3/25/2019	rgillespie	SPEC	Eaton Robot
100259	3/25/2019	rgillespie	SPEC	Solaris Shield Kit Work Instructions
100260	3/25/2019	rgillespie	SPEC	Quartz Boat Packaging
100261	3/25/2019	rgillespie	SPEC	Cathode Shield Kit Work Instructions
100262	3/25/2019	rgillespie	SPEC	Lam H/D Assy
100263	3/25/2019	rgillespie	SPEC	Graphite Boat Cleaning
100264	3/25/2019	rgillespie	SPEC	TxZ Heater Process
100265	3/25/2019	rgillespie	SPEC	Varian VIIision Inside GND Accel Graphite
100266	3/25/2019	rgillespie	SPEC	Graphite Electrode Suppression Tube
100267	3/25/2019	rgillespie	SPEC	Varian VIIision Outside Graphite Electrode

Close Display Document

GDS (Global Data System)

Company Documents

Document Title: Alcatel Leak Detector Troubleshooting DIET

Document Number: 10003
 Document Type: SPEC
 Document Status: Released
 Creation Date: 10/16/2019 Entered By: mBarPC
 Revision Date: Revision: 0
 Date Modified: Modified By:
 Department: 140
 Customer Specific:
 Part Specific:
 Production Time: / minutes
 Printable: Y

File Location: H:\Database\MDS\System\Specs\10003.pdf

Proposed By: Date:
 Comments:
 Approved By: mBarPC Date: 10/16/2019
 Comments: Document: Alcatel Leak Detector Troubleshooting DIET Status change to: Approved, Document was Approved for
 Released By: mBarPC Date: 10/16/2019
 Comments: Document: Alcatel Leak Detector Troubleshooting DIET Status change to: Released
 Retired By: Date:
 Comments:

Close

1 | Alcatel Leak Detector Troubleshooting DIET

Alcatel Leak Detector Troubleshooting DIET

D-Do I-It E-Every T-Time

Introduction

This DIET will outline the procedures to follow when troubleshooting minor problems with the Alcatel Leak Detector 180TD/ 180 TD+.

Description

Troubleshooting an Alcatel leak detector can be very involved at times, the following steps are quick, simple remedies to common problems.

Note: Complex problems/solutions/maintenance are addressed in the Technical Reference Manual.

User Manual Report Problem

Document Number	Creation Date	Created By	Document Type	Description	Revision	Status
100237	2/6/2017	JEN	SPEC	XGT Valve 200mm	1	Released
100238	3/22/2019	rgillespie	SPEC	200mm Novellus Spindle	1	Released
100239	3/22/2019	rgillespie	SPEC	Varian Roplat	0	Released
100240	3/22/2019	rgillespie	SPEC	Unit-Celenty Gen2 Digital Calibration	7	Released
100241	3/22/2019	rgillespie	SPEC	P5000 Robot	0	Released
100242	3/25/2019	rgillespie	SPEC	200mm Vat Slit Valve	1	Released
100243	3/25/2019	rgillespie	SPEC	300mm Pivots	0	Released
100244	3/25/2019	rgillespie	SPEC	Qorvo EVP 4900 Kit	0	Released
100245	3/25/2019	rgillespie	SPEC	Moving Clips	0	Released
100246	3/25/2019	rgillespie	SPEC	TxZ HP Work Instructions	0	Released
100247	3/25/2019	rgillespie	SPEC	Gearhead Type A	0	Released
100248	3/25/2019	rgillespie	SPEC	200mm SVDA Clean	0	Released
100249	3/25/2019	rgillespie	SPEC	B101 Heater	0	Released
100250	3/25/2019	rgillespie	SPEC	VIIision Drive Spindle	0	Released
100251	3/25/2019	rgillespie	SPEC	Platen	0	Released
100252	3/25/2019	rgillespie	SPEC	Gearhead RT90-030	0	Released
100253	3/25/2019	rgillespie	SPEC	DxZ Work Instructions	0	Released
100254	3/25/2019	rgillespie	SPEC	WxZ Work Instructions	0	Released
100255	3/25/2019	rgillespie	SPEC	Rotary Seal (Small)	0	Released
100256	3/25/2019	rgillespie	SPEC	Oerlikon Carrier Work Instructions	0	Released
100257	3/25/2019	rgillespie	SPEC	Eaton Robot	0	Released
100259	3/25/2019	rgillespie	SPEC	Solaris Shield Kit Work Instructions	0	Released
100260	3/25/2019	rgillespie	SPEC	Quartz Boat Packaging	0	Released
100261	3/25/2019	rgillespie	SPEC	Cathode Shield Kit Work Instructions	0	Released
100262	3/25/2019	rgillespie	SPEC	Lam H/D Assy	0	Released
100263	3/25/2019	rgillespie	SPEC	Graphite Boat Cleaning	0	Released
100264	3/25/2019	rgillespie	SPEC	TxZ Heater Process	0	Released
100265	3/25/2019	rgillespie	SPEC	Varian VIIision Inside GND Accel Graphite	0	Released
100266	3/25/2019	rgillespie	SPEC	Graphite Electrode Suppression Tube	0	Released
100267	3/25/2019	rgillespie	SPEC	Varian VIIision Outside Graphite Electrode	0	Released

GLOBAL DATA MANAGEMENT SYSTEM GDS

Sample Company Job List and Rebuild Part Details

Job List Thursday, December 5, 2019

Job Count: **281**

Selected Date Range: Starting Date: 12/5/2017 - Ending Date: 12/5/2019

Job Status: Open PO No.: * Job on Hold?: N Location: *
 Customer: * Part Number: * Item Description: *

Refresh Report Reset

Double-Click within any Field below to display the Job Details

Status	Priority	Location	Job Number	PO Number	Customer	Part Number	Item Description
AWM	50	RECEIVING	211388-03	01062018PROPAY	PROPAC PAYLESS PHARMACY	250013379	Infusion Pump Certification
AWM	50	RECEIVING	211424-01	1884	PHOENIX INNOVATION, INC	250013303	Evaluation
AWM	50	RECEIVING	211426-01	2117716	QORVO US INC.	250013648	Safety glasses cleaning
AWM	50	RECEIVING	211451-01	32065600	ON SEMICONDUCTOR	250012444	Drive shaft, polish head, MV, 25" long refurb
AWM	50	RECEIVING	211452-01	32065601	ON SEMICONDUCTOR	250012229	Drive shaft, polish head, 776, 28" long
AWM	50	RECEIVING	211457-01	2141430	QORVO US INC.	250013303	IMP105, Presto-Lift Mods
AWM	50	RECEIVING	211461-01	45762331	ANALOG DEVICES	250013303	Manufacture stainless WIP racks same as previous
AWM	50	RECEIVING	211471-01	45762563	ANALOG DEVICES	250013303	Manufacture stainless WIP racks same as previous
AWM	50	RECEIVING	211471-02	45762563	ANALOG DEVICES	250013303	Manufacture stainless WIP racks same as previous
AWM	50	RECEIVING	211509-01	4501086445 PENDING	MAXIM INTEGRATED	250013630	Flight Tube Clean (part not assembled)
AWM	50	RECEIVING	211513-03	5500017511	MAXIM INTEGRATED	250013250	DPS M Etch Kit 8" - DPS Chamber Clean
AWM	50	RECEIVING	211513-04	5500017511	MAXIM INTEGRATED	250013254	DPS M Etch Kit 8" - Quartz Chamber Parts Clean
AWM	50	RECEIVING	211515-01	45763101-PENDING / 350	ANALOG DEVICES	250013303	Evaluation
AWM	50	RECEIVING	211523-01	8822054630	AVAGOTECHWIRELESS(USA)MFC	250013303	GaAs change order for arsenic contaminated lines
AWM	50	RECEIVING	211524-01	2129505	QORVO US INC.	250013340	Contact, electrical plate up
AWM	50	RECEIVING	211525-01	45763876	Analog Devices	250013309	Engineered drawing for Novellus Concept Shower
AWM	50	RECEIVING	211535-01	4501089878	MAXIM INTEGRATED	250014009	V37 valve clean
AWM	50	RECEIVING	211535-02	4501089878	MAXIM INTEGRATED	250014010	V36 valve clean
AWM	50	RECEIVING	211540-01	8822054646	AVAGOTECHWIRELESS(USA)MFC	250013303	Decon and abatement tech support for Nov-Jan (Q
AWM	50	RECEIVING	211545-01	32065755	ON SEMICONDUCTOR	250012229	Drive shaft, polish head, 776, 28" long
AWM	50	RECEIVING	211548-01	45002171	MICROCHIP TECHNOLOGY	250012534	Tube ERP repair & clean
AWM	50	RECEIVING	211549-02	21000955	MICROCHIP TECHNOLOGY	250012033	Rotary Feedthru, Left Refurb
AWM	50	RECEIVING	211549-03	21000955	MICROCHIP TECHNOLOGY	250012034	Rotary Feedthru, Right Refurb
AWM	50	RECEIVING	211556-04	5500017511	MAXIM INTEGRATED	250013677	DPS M Etch Kit 6" - Ceramic Focus Ring Clean
AWM	50	RECEIVING	211556-05	5500017511	MAXIM INTEGRATED	250013678	DPS M Etch Kit 6" - Ceramic Focus Ring Clean


Close Job Tracking Job Details Print Job List eMail Job List

GDS (Global Data System) Friday, August 7, 2020

Job Details

Order Number: **200218** Invoice Number: **Pending**

Job Details | Part Details | Customer Details | Inspection Photos | Shipping | Spec



Double-Click on Image to Edit

Customer Specific: POLAR

GL Account Code: 1000

Product Code: FIN

Pricing Unit: EA

Part Weight: 0

Part Notes / Information:

Subassembly Tracking					
Checking Time	Emp No.	Department	Work Center	Current Status	Hold Split?
8/6/2020	1001	Receiving		AWM	N

Internal Part Number: 250010452
 Alternative Part Number: 01034-KE24-ACT2
 Customer Part Number: R20066069
 Internal Part Description: VAT 01034-KE24-ACT2, VALVE, ISOLATION

Close Print Part Details

User Manual Report Problem

Job Details Include Image of the Part, Customer Details, Incoming Inspection Photos, Assigned Work Instructions, and you can even review Other Parts that have already shipped on this Part's PO number.



GLOBAL DATA MANAGEMENT SYSTEM

GDS

Setup Custom Flag Event when a item comes into the shop for repair

Condition Flag List
Friday, August 7, 2020

Friday, August 7, 2020

Set New Condition Flag

Select Part Number:

Trigger This Event by:

Cycle Count:

Assigned Department:

Action to Take:

Require Verification?

Automatic End Date: (Leave End Date Blank if NOT Required)

08/07/2020
 PART NUMBER: 250010472
 PART DESCRIPTION: MKS 625F Baratron
 FLAG CONDITION: Cycle Count Limit: 10
 REQUIRED ACTION: Hold for Production Supervisor
 DEPARTMENT: All

Verification: **REQUIRED**

Additional Instructions:
 Requested by the customer. Please send Mike Smith photos after 10 cleanings.

Part Number:

Part Description:

Customer Part Number:

Last Edited By:

Special Notes:

ID Number	Part Number	Description	Date	Require Verification
1	2500			Y
2	2500			Y
3	2500			Y
4	2500			Y
5	2500			Y
6	2500			Y
7	2500			Y
8	2500			Y
9	2500			Y
272	2500			Y
11	2500			Y
12	2500			Y
13	2500			Y
14	2500			Y
15	2500			Y
16	2500			Y
17	2500			Y
18	2500			Y
19	2500			Y
20	2500			Y
21	2500			Y
22	2500			Y
23	2500			Y
24	2500			Y
25	2500			Y
26	2500			Y
27	250010201	Vision implanter robot	3/4/2019	Y
28	250010202	Rotary feedthrough, L	3/4/2019	Y
29	250010203	Rotary feedthrough, R	3/4/2019	Y
30	250010204	Shaft, Vision Feedthrough, Left	3/4/2019	Y
31	250010410	Spindle 300mm Indx 270, Refurb	3/4/2019	Y

GLOBAL DATA MANAGEMENT SYSTEM GDS

GMS (Global Management System)

RGILLESPIE
ADMINISTRATOR

PM EXIT ABOUT HELP


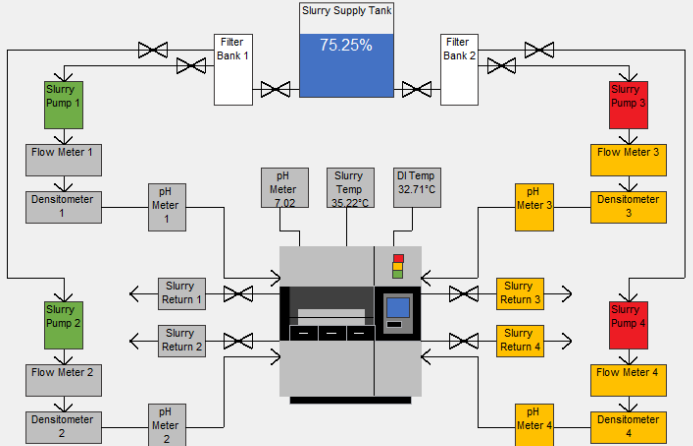
Wednesday, February 5, 2020
6:04:53 AM

User Action Help

Tool ID
IPEC-200

Tool Manufacturer: SpeedFam
Tool Model Number: IPEC 776
Tool Serial Number: 32401240040-99
Tool Type: Polisher
Tool Status: **RUN | IDLE**
Tool Location: Building 12, Fab 1

PM Due Date: 2/19/2020
Days Until PM Due: 14

Building 12 / FAB 1 (Eastside)

BAY 1: 200, 201, 202, 203, 204, 205, 206
BAY 2: 241, 240, 239, 238, 237, 236, 235
BAY 3: 214, 215, 216, 217, 218, 219, 220
BAY 4: 243, 244, 245, 246, 247, 248
221, 222, 223, 224, 225, 226
234, 233, 232, 231, 230, 229, 228
236, 237, 238, 239, 240, 241, 242

Station 1 Lot: MT200-110-1 Count: 15 Station 3 Lot: IDLE Count: 0
Station 2 Lot: MT200-110-1 Count: 15 Station 4 Lot: IDLE Count: 0

Real-Time Tool Data

Date	Time	Pad Count	Head 1 Count	Head 2 Count	Head 3 Count	Head 4 Count	pH Meter	Slurry Temp (°C)	DI Water Temp (°C)	Chem Flow Meter 1	Chem Flow Meter 2	Chem Flow Meter 3	Chem Flow Meter 4	pH Meter 1	pH Meter 2	pH Meter 3	pH Meter 4	Densito Meter 1	Densito Meter 2	Densito Meter 3	Densito Meter 4	Flow Meter 1	Flow Meter 2	Flow Meter 3	Flow Meter 4	Slurry Supply Pump 1	Slurry Supply Pump 2	Slurry Supply Pump 3	Slurry Supply Pump 4	Slurry Return 1	Slurry Return 2	Slurry Return 3	Slurry Return 4	Lifetime Total Tool Runtime	
2/20/2018	13:00	125	125	125	125	125	7.12	35.21	32.74	100	100	100	100	50	7.02	6.99	7.05	7.1	10	11	10.55	12.01	100	100	75	50	100	100	0	0	100	100	0	0	34234
2/20/2018	14:00	250	161	161	161	161	7.11	35.32	32.75	100	100	100	100	50	7.02	6.99	7.05	7.02	10	11	10.55	12.01	100	100	75	50	100	100	0	0	100	100	0	0	34235
2/20/2018	15:00	375	197	197	197	197	7.09	35.22	32.77	100	100	100	100	75	7.12	6.99	7.05	7.11	10	11	10.55	12.01	100	100	75	50	100	100	0	0	100	100	0	0	34236
2/20/2018	16:00	500	233	233	233	233	7.09	35.25	32.72	100	100	100	100	100	7.09	6.99	7.05	7.21	10	11	10.55	12.01	100	100	75	50	100	100	0	0	100	100	0	0	34237
2/20/2018	18:00	850	305	305	305	305	7.12	35.26	32.77	100	100	100	100	50	7.02	6.99	7.05	7.09	10	11	10.55	12.01	100	100	75	50	100	100	0	0	100	100	0	0	34239
2/20/2018	19:00	1150	341	341	341	341	7.11	35.24	32.69	100	100	100	100	50	7.02	6.99	7.05	7.1	10	11	10.55	12.01	100	100	75	50	100	100	0	0	100	100	0	0	34240
2/21/2018	13:00	39	125	125	125	125	7.12	35.21	32.74	100	100	100	100	50	7.02	6.99	7.05	7.1	10	11	10.55	12.01	100	100	75	50	100	100	0	0	100	100	0	0	34234
2/21/2018	14:00	75	161	161	161	161	7.11	35.32	32.75	100	100	100	100	50	7.02	6.99	7.05	7.02	10	11	10.55	12.01	100	100	75	50	100	100	0	0	100	100	0	0	34235
2/21/2018	15:00	111	197	197	197	197	7.09	35.22	32.77	100	100	100	100	75	7.12	6.99	7.05	7.11	10	11	10.55	12.01	100	100	75	50	100	100	0	0	100	100	0	0	34236

Live Tool Monitoring and SPC data collecting. This interface allows the team member to monitor every tool, review current status, and record SPC data.

GLOBAL DATA MANAGEMENT SYSTEM GDS

Additional Add-in Modules Available

Main Menu

Calibration Label Menu	
Certification Label Menu	
Extens Label Menu	
Print Any IBD Part Number Label (2x3 inch)	Critically Clean Gasket Part Label (2x3 inch)
Print 2500 Part Number Label (2x3 inch)	Critically Clean Part Label (2x3 inch)
Hydram Leak Check (2x3 inch)	Reusable Container Label (1x2 inch)
Custom Label (2x3 inch)	

Label Preview

Supported Printers

	Printer Type: Zebra LP2844 Label Size: 2 x 3 inch Label Type: White Clearcoat Printer Location: Shipping/Receiving Office Network Name: Zebra - Shipping Office on FORD03		Printer Type: Zebra LP2844 Label Size: 1 x 2 inch		Printer Type: Sharp MX-3610n Label Size: 8 x 11 inch
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Custom Label Print Module

Quote Module

IND Data System

Pricing Quote - Pressure Devices Only

Type of Device: 800 Series 19K5 Baratron
Device Model Number: 842

Clean and Calibration: 200
 Re-Ranger:
 Clean Only:
 Sensor Replacement:
 Replace / Repair Co:
 Pressure Device Exch

Service Notes:
May include a R700/R800 Series Relay System

Quote Module

ProPac Payless Data Entry

Item Description: **Baxter Pump BAX-001**
PM Date: 11/7/2017
Serial Number: 230-145-670
Job Number: 206447-05

GND Resistance Reading: _____ ohms
Chassis To Ground Reading: _____ uA
Upstream Occlusion Reading: _____ psi
Downstream Occlusion Reading: _____ psi
IDA Reading: _____ ml/h

PM Date: 11/7/2017
PM Due Date: 11/7/2018

Baxter

Save And Email CalCert Save Only Cancel

Inspection Interval: 365 days
Preventative Maintenance:
TEST EQUIPMENT REQUIRED:
Administration Set (UHS#5346753)
DPM
50 ml Buret
Stopwatch
Safety Analyzer

DECONTAMINATION
1.1 Follow general decontamination procedures

BREAKDOWN
1.2 Check the unit for damage
1.9 Route the unit to wipe-down station

CLEANING
1.12 Perform general wipe-down procedures on the unit
5.3 Initial and affix Biomedical Inspection Labels
1.15 Route the unit to the assembly area

FUNCTIONAL PROCEDURE
3.1 Check the cleanliness of the unit
3.7 Check each of the switches
3.10 Check the feet
3.11 Check all screws
3.20 Check the door
3.15 Check all manufactures' labels

2.3 Check the power plug
2.4 Check the power cord and the strain relief

2.1 Perform the ground resistance test.
Record the ground readings under 2.1 on Form 200A

2.2 Perform the chassis to ground leakage test
Record the ground readings under 2.1 on Form 200A

PM Module

Chemical Management Module

Liquid Chemical Evaporation Rate

Calculate Evaporation Rate

$$E = 0.0012 \times \gamma \times \frac{P_v}{760 - ((1 - \gamma) \times P_v)}$$

E = Evaporation Rate, g / cm² (per second).
Y = Relative Density of the Evaporating Vapor with respect to air.
Pv = Vapor Pressure of the Liquid at selectable temperature.

$$\gamma = \frac{MW}{MW_{air}} = \frac{MW}{28.96}$$

MW = Molecular weight of the chemical
MW_{air} = Molecular weight of air = 28.96

Chemical: Acetone 100%
Chemical Temperature: 70 °F
Tank Width: 24 in.
Tank Length: 24 in.
Tank Depth: 12 in.

Relative Density (Y): 2.00552
Evaporation Rate (E): 0.00156 lbs/min
Evaporation Rate (E): 0.09301 lbs/hr
Evaporation Rate based on a 40 hour Work Week Tank Duty Cycle: 193.46 lbs/year
Evaporation Rate based on 100% Tank Duty Cycle 24/7: 814.76 lbs/year

Calculate Print Export to PDF Close

Chemical Management Module





Thank You
mBar Technologies, Inc