

# ROTORS EXTRACTION PLATES AND SCREENS

NEW • REBUILT • REMANUFACTURED TO SPECIFICATIONS



## MST CORPORATION

Serving the  
PULP • CHEMICAL • PROCESS INDUSTRIES

*Dedicated to Quality and Advancements in Metal working Technology*

back side of front cover

# ANNOUNCING NEW CAPACITY BY MST CORPORATION

## ROTORS, EXTRACTION PLATES: SCREEN PLATES AND MOUNTING FRAMES FOR RECYCLING AND FIBER PREPARATION PROCESSES

MST Corporation has been performing complete restorations and specialty upgrades on pulper rotors, foil bars, fiber-prep rotors, extraction plates and screen rotors for more than twenty years. In many cases, our restoration technologies have increased the life of extraction plates by up to seven times the original expectations of the user.

Our successes are built on advanced process technologies and adherence to state-of-the-art applied metallurgical techniques being incorporated into the process technologies. This means longer wear life; greater resistance to cracking problems; smoother start-ups.

**We have recently built on those years of expertise by adding custom 2D/3D CAD/CAM CNC integrated design manufacturing, drilling and milling machining capacity: We are now supplying both restored and NEW extraction plates and screens.**

Included here are some photographs of some of our work. Please look these products over and let us know in what areas we may help you improve your bottom line; your return on investment. We welcome the opportunity to present you with a proposal.

Thank you.

Please Contact: Mitch Logan or Troy Lackey

MST Corporation  
1659 SW Baldwin Road  
Prineville, Oregon 97754-9335  
Ph: (541) 416-9000  
Fax: 877.416.0628



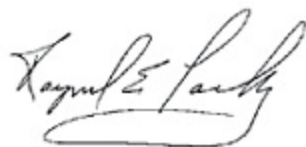
**MEMBER**



## *MST CORPORATION'S NO-NONSENSE WARRANTY*

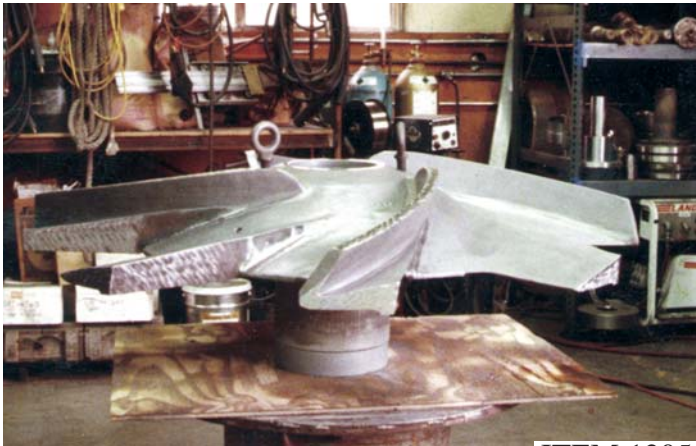
*At MST Corporation, we believe a warrantee, and a guarantee, in essence, is in reality, a statement about the integrity of the parties to a transaction. Typically, a warranty says the vendor "warrants" their product against defects in materials and workmanship for some stated period, usually one year. At MST Corporation, we do not feel that time should be a factor. Consequently, if our methods of producing an end-result meet the standards we sell and adhere to; then our material and workmanship should be timeless.*

*The workmanship of any vendor—with time honored integrity and ethics—should speak for itself. Either MST Corporation does what we say, or we do not. Time is not at issue. As such, MST Corporation warrants our workmanship and materials for as long as you own the item—period. We intend our company to symbolize integrity and ethics, and we respectfully request the same from the people we deal with. If we can both adhere to these timeless, common sense principles, everyone benefits.*



*Ray Lackey  
CEO / Technical Analyst*





ITEM 1205

RESTORED AND MODIFIED  
PULPER ROTOR



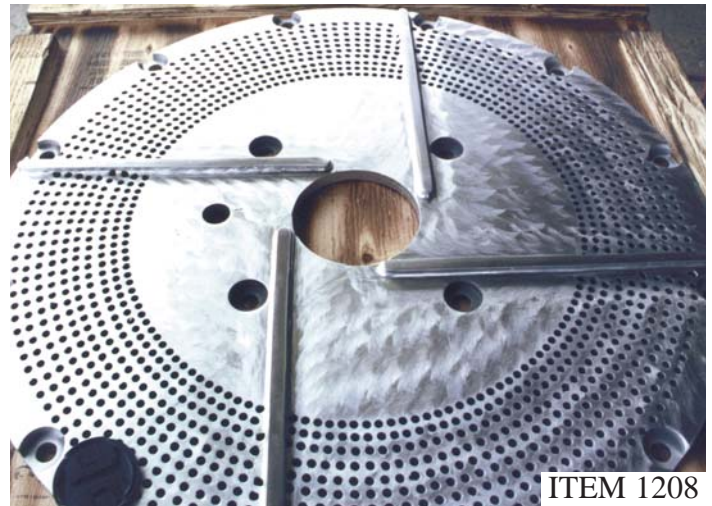
ITEM 1206

EXTRACTION PLATE RESTORATION



ITEM 1207

SHREDDER ANVIL AND ROTOR  
MANUFACTURED NEW, BY MST



ITEM 1208

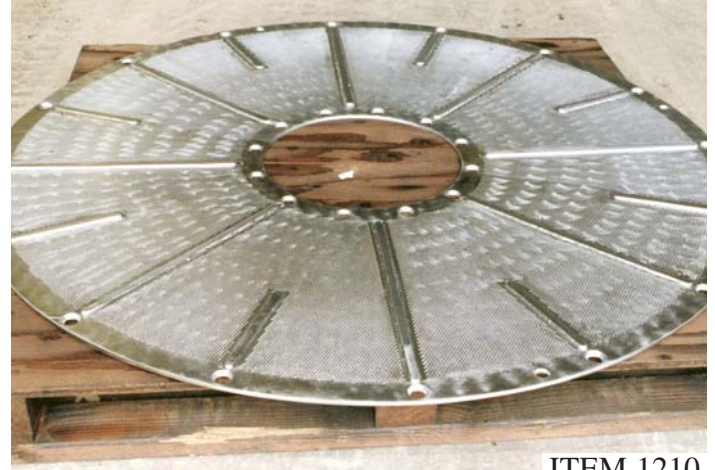
RESTORATION OF EXTRACTION  
PLATE SUBASSEMBLY





ITEM 1209

RESTORATION AND BAR  
REPLACEMENT OF  
SEPARATOR SCREEN



ITEM 1210

RESTORED EXTRACTION PLATE USED  
IN RECYCLING SYSTEM

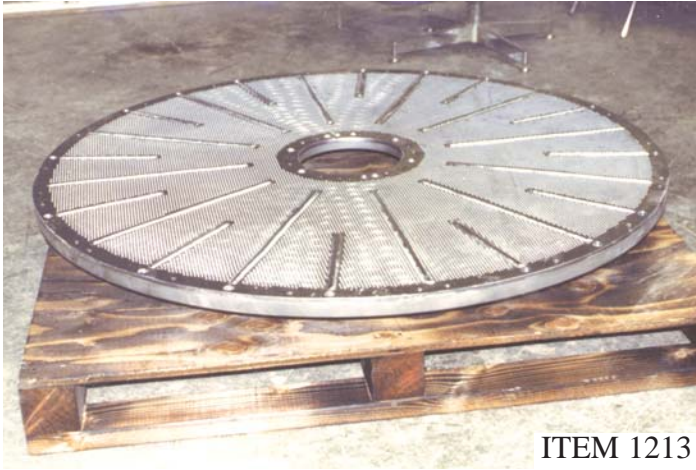


ITEM 1211

HIGH POWER PULPER ROTOR RESTORATION USED IN RECYCLE SYSTEM







ITEM 1213

VOITH TURBO ROTOR EXTRACTION  
PLATE AND FRAME ASSEMBLY



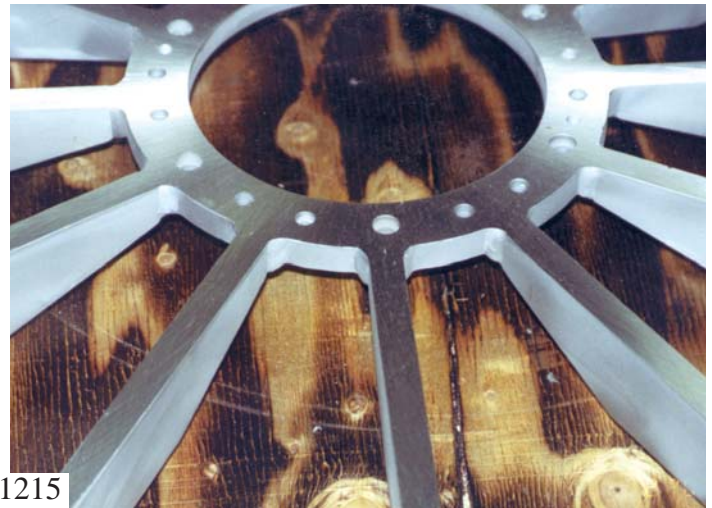
ITEM 1214



SHREDDER ANVIL



ITEM 1215



EXTRACTION PLATE FRAME RESTORATION



ITEM 1217

SLOTTED SCREEN BASKET RESTORATION



ITEM 1218

SHREDDER ANVIL MANUFACTURED



ITEM 1219

MANUFACTURE AND UPGRADE SEPARATOR ROTOR



ITEM 1220

SEPARATOR ROTOR AND HEAD SUBASSEMBLY RESTORATION







ITEM 1221

### SHREDDER ROTOR AND ANVIL



ITEM 1222

### ROUND SCREEN ROTOR RESTORATION

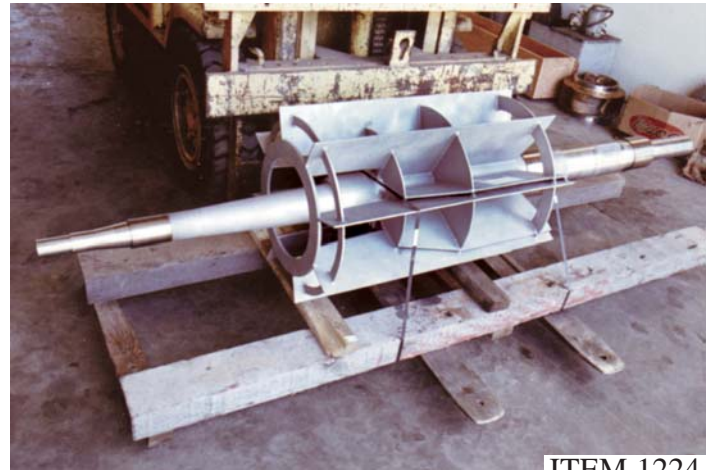
We know that each height, each step, must be gained by patient, laborious toil, and that wishing cannot take the place of working.

Edward Whympere



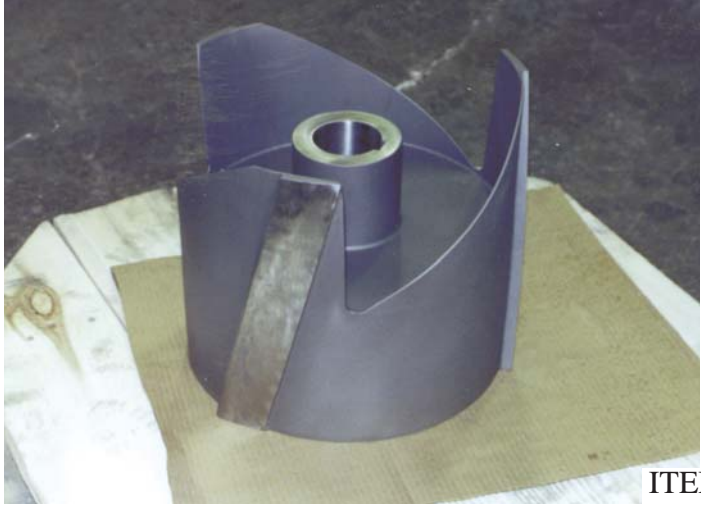
ITEM 1223

### ROUND SCREEN AND ROTOR RESTORATION

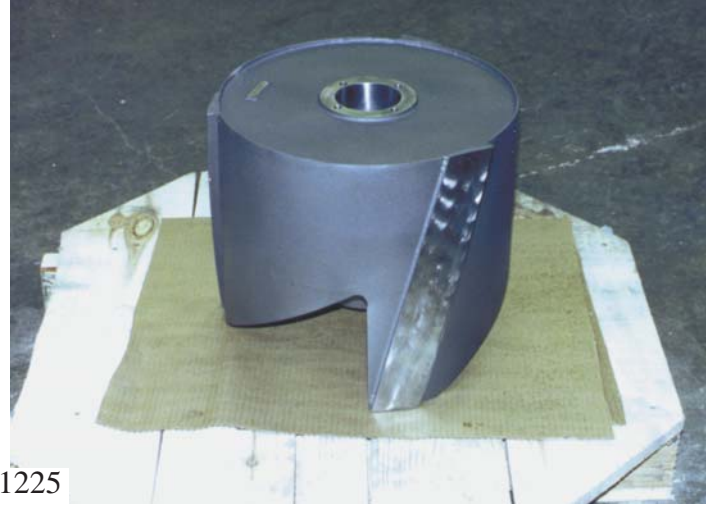


ITEM 1224

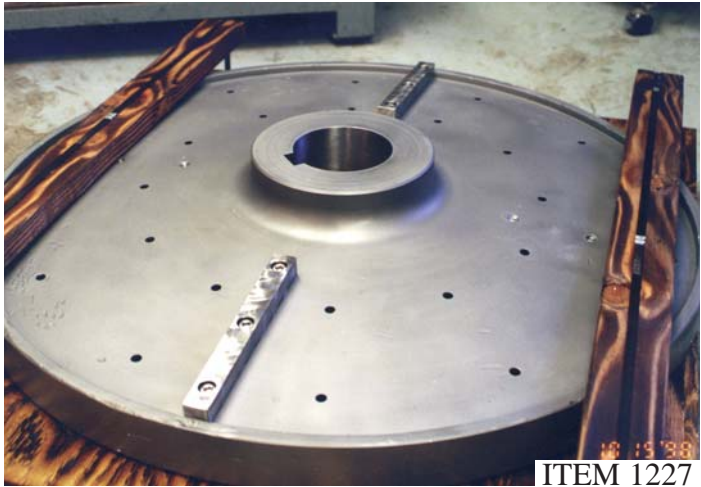
### HOOPER ROUND SCREEN ROTOR RESTORATION



ITEM 1225



### SEPARATOR ROTOR RESTORATION



ITEM 1227



### REFINER PLATE RESTORATION



ITEM 1228

### LOBED ROTOR RESTORATION AND NEW TOP SEPARATOR

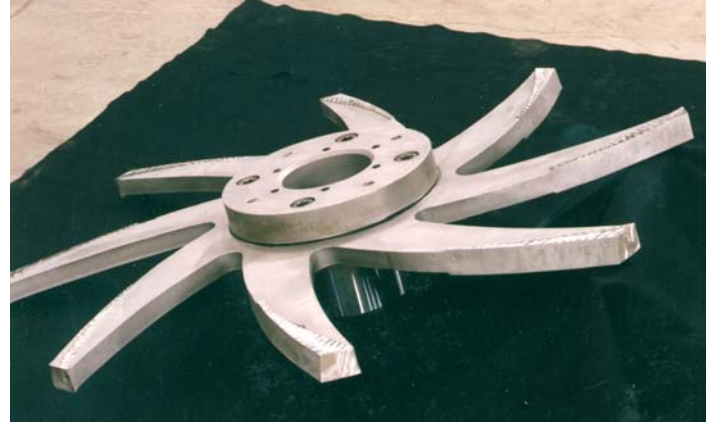






ITEM 1229

PULPER ROTOR RESTORATION



ITEM 1230

SEPARATOR ROTOR AND HUB RESTORATION



ITEM 1231

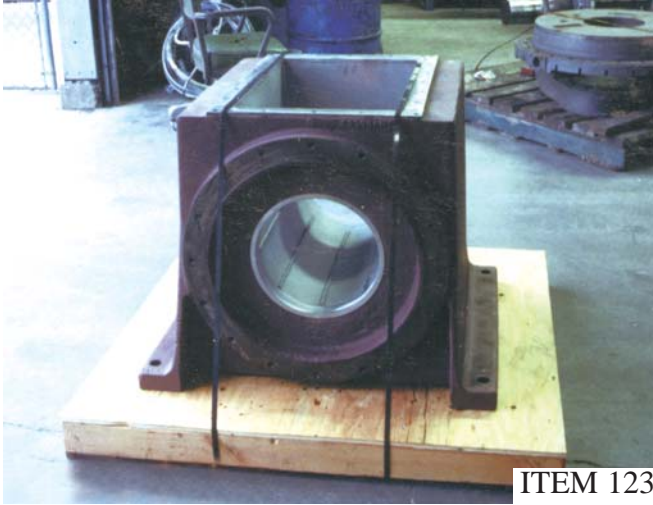
PULPER ROTOR AND EXTRACTION PLATE



ITEM 1232

NEW SHREDDER MANUFACTURED





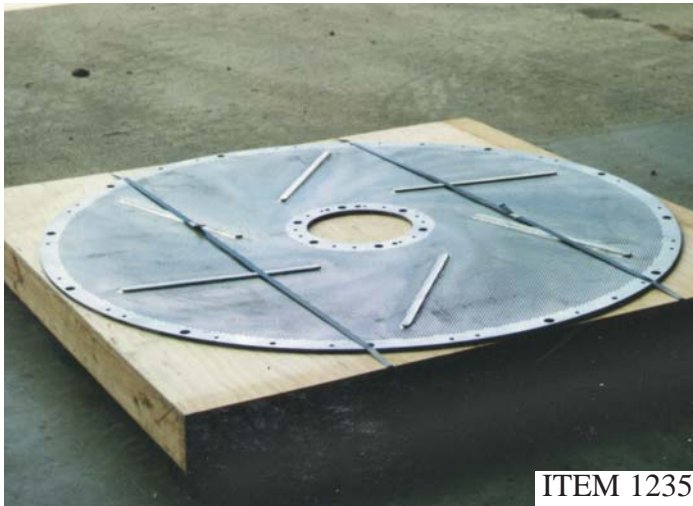
ITEM 1233

REFINER IN-FEED SCREW HOUSING



ITEM 1234

NEW, REDESIGNED, VIBRATION (KNOTTER BASKET) FRAME



ITEM 1235

EXTRACTION PLATE RESTORATION

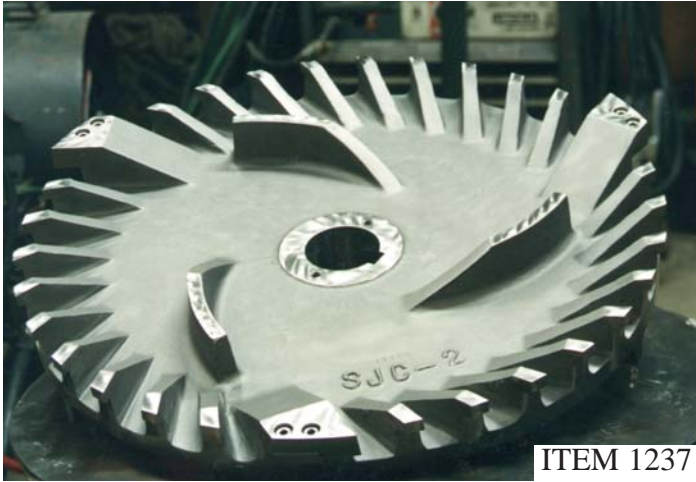


ITEM 1236

CENTR-CLEANER TUBE REPLACEMENT AND UPGRADE

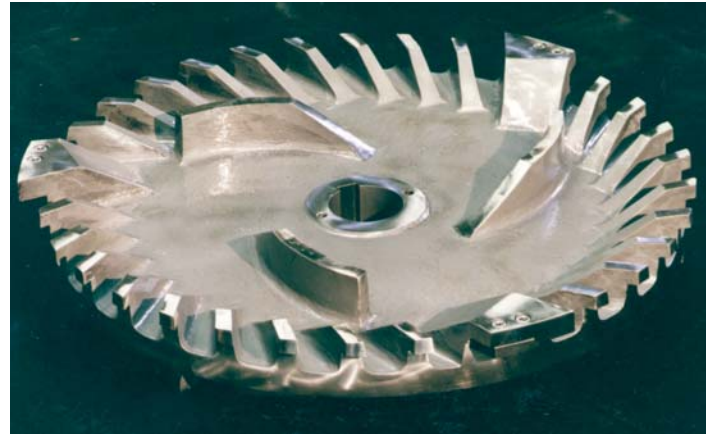






ITEM 1237

NEW SIZE 2 SHREDDER



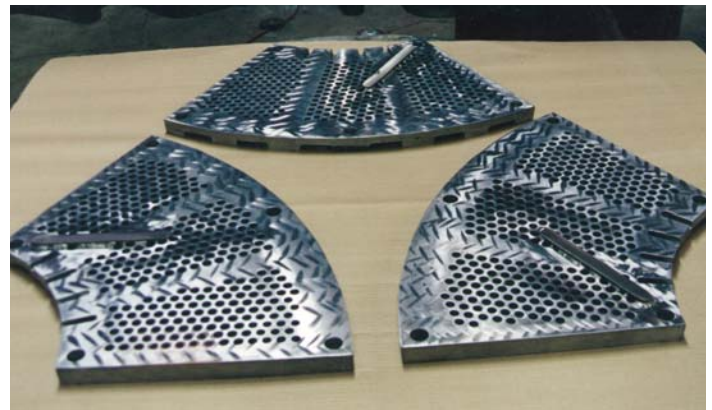
ITEM 1238

NEW SIZE 3 SHREDDER



ITEM 1239

SEPARATOR ROTOR AND HUB



ITEM 1240

RESTORATION OF EXTRACTION PLATE SEGMENTS





ITEM 1241

PULPER ROTOR AND  
EXTRACTION PLATE



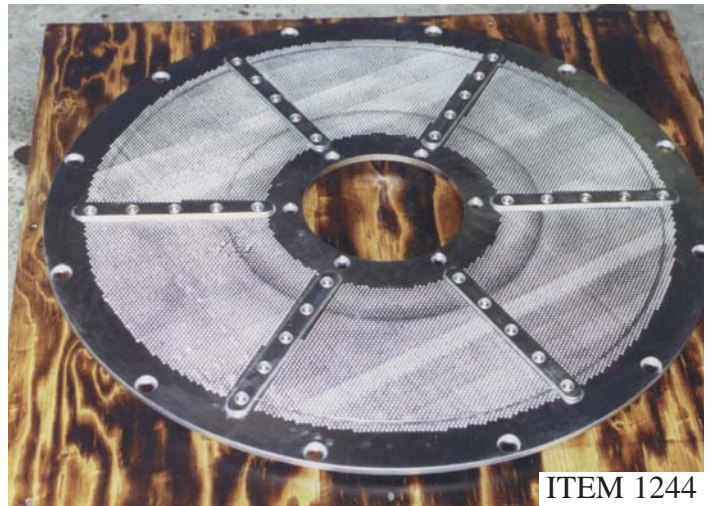
ITEM 1242

SIZE 1 SHREDDER, NEW



ITEM 1243

PULPER ROTOR RESTORATION



ITEM 1244

DIABLO EXTRACTION PLATE  
RESTORATION







ITEM 1245

PULPER ROTOR EXTRACTION PLATE



ITEM 1246

NEW ROUND SCREEN LOBED ROTOR SUBASSEMBLY



ITEM 1247

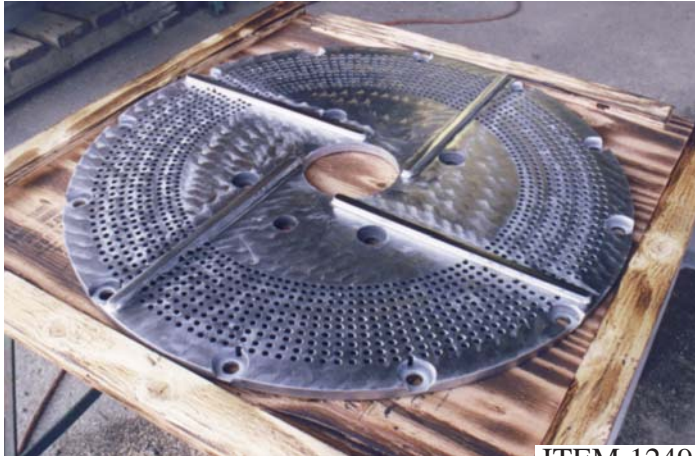
PULPER ROTOR IN RECYCLING SYSTEM UPGRADED FOR 200 EXTRA HORSEPOWER OPERATION



ITEM 1248

TURBO ROTOR AND HUB SUBASSEMBLY





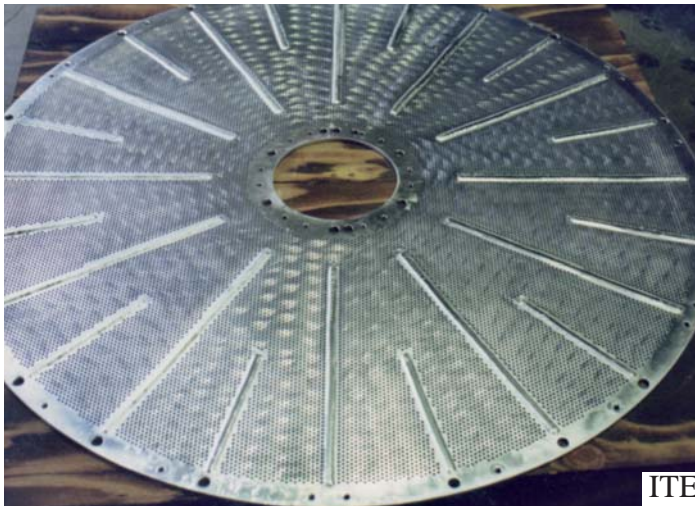
ITEM 1249

### EXTRACTION PLATE SUBASSEMBLY RESTORATION

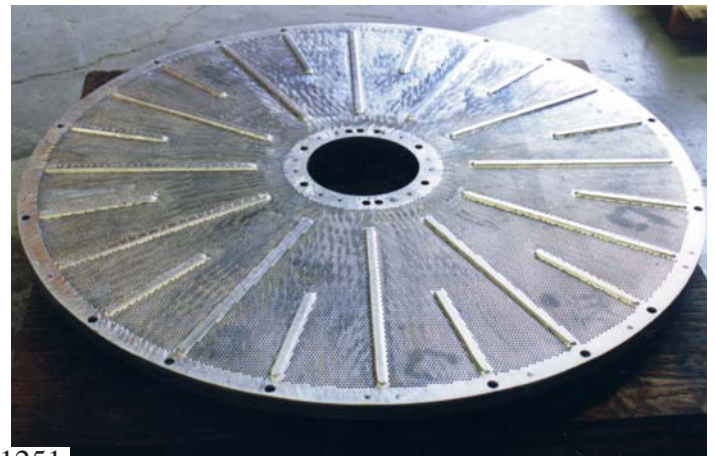


ITEM 1250

### SEGMENTAL EXTRACTION PLATE SET RESTORATION

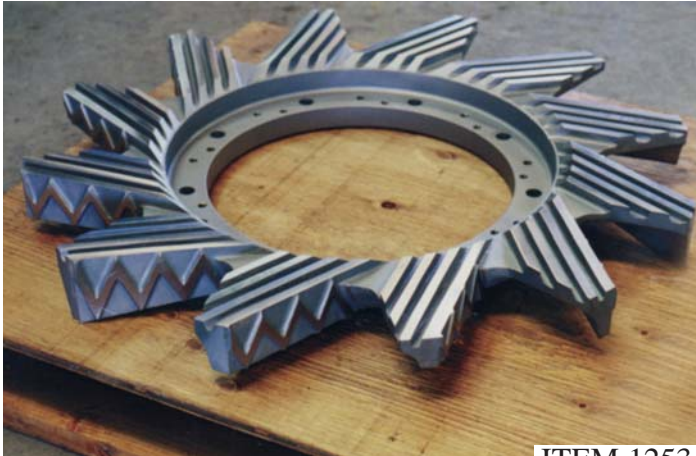


ITEM 1251



### TURBO SEPARATOR EXTRACTION PLATE RESTORATION





ITEM 1253

PULPER ROTOR COMPLETE RESTORATION AND OVERLAY



ITEM 1254

TURBO SEPARATOR ROTOR AND HUB SUBASSEMBLY



ITEM 1255

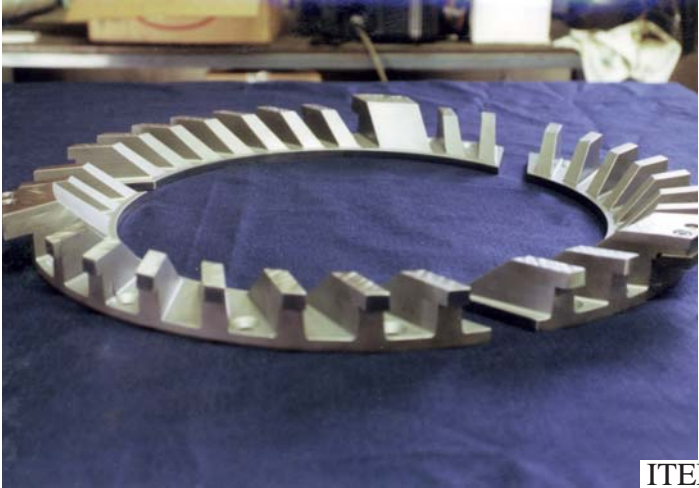
DIABLO SCREEN ROTOR



ITEM 1256

TURBO SEPARATOR ROTOR AND HUB SUBASSEMBLY RESTORATION



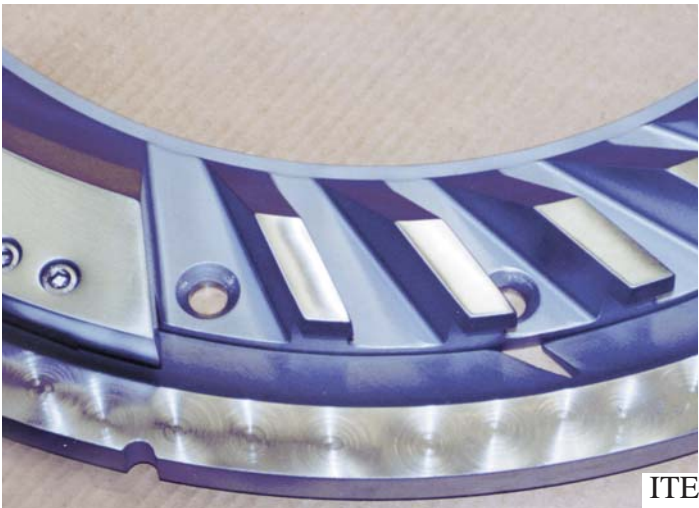


ITEM 1257

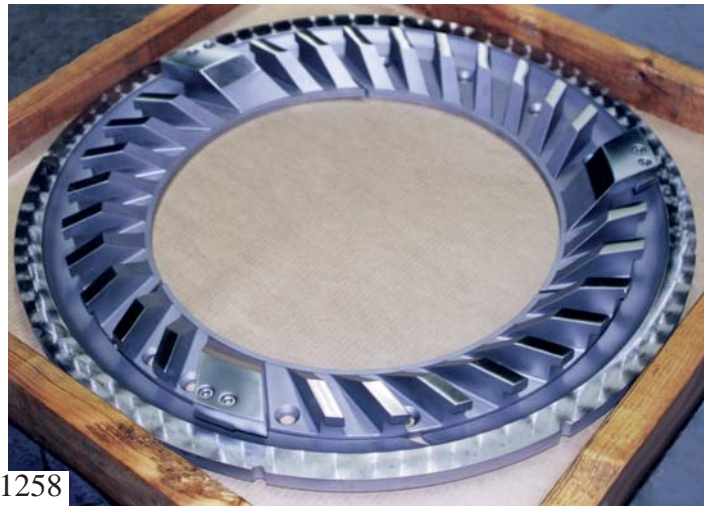


SHREDDER ROTOR MANUFACTURED AS TRI-SEGMENTAL SYSTEM;  
SHOWN WITH CUTTER SET

If I take care of my character, my reputation will take care of itself.  
Dwight L. Moody



ITEM 1258



CLOSE UP AND OVERVIEW OF NEW ROTOR AND ANVIL





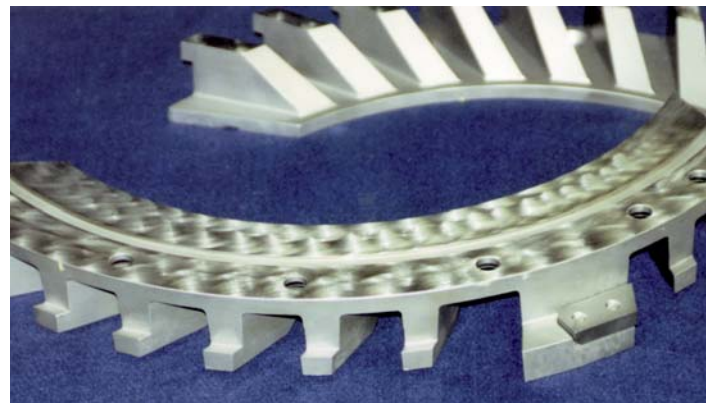
ITEM 1259



NEW SIZE 1 SHREDDER ANVIL  
TOP (UPPER SIDE) VIEW AND BOTTOM (UNDER SIDE) VIEW



ITEM 1260



ITEM 1261

NEW SHREDDER ANVIL, SIZE 2



NEW SEGMENTAL SHREDDER SET



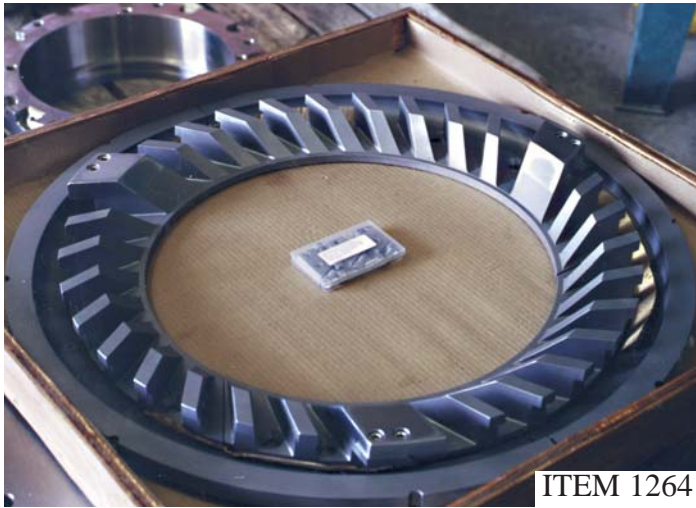
ITEM 1262

PULER ROTOR RESTORATION



ITEM 1263

TORNADO ROTOR RESTORATION



ITEM 1264

SIZE 3 SHREDDER ANVIL AND CUTTER SET, NEW



ITEM 1265

ROTOR AND HOUSING ASSEMBLY







ITEM 1266

RESTORED DIABLO ROTOR



ITEM 1267

PULPER ROTOR REMANUFACTURED  
WITH EXTENDED HUB FEATURE

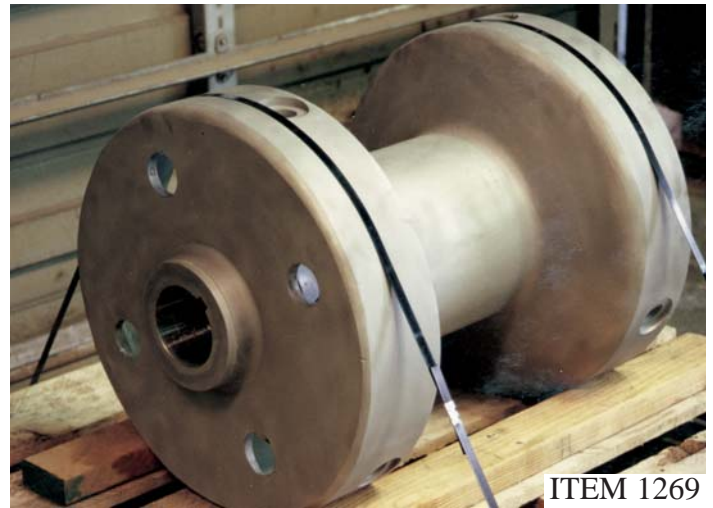
He that is faithful in that which is least is faithful also in much; and he that is unjust in the least is unjust also in much.

Jesus, Luke 16:10



ITEM 1268

TURBO ROTOR AND HUB ASSEMBLY



ITEM 1269

ROUND SCREEN ROTOR  
FOIL BAR ROTOR



ITEM 1270

OLD STYLE VOITH TURBO ROTOR RESTORATION



ITEM 1271

REFINER IN-FEED LOAD SENSOR HOUSINGS RESTORATION CODE WELDED



ITEM 1272

EXTRACTION PLATE FRAME, RESTORATION AND UPGRADE



ITEM 1273

PULPER ROTOR CENTER HUB SECTION RESTORATION AND BAR REPLACEMENT





# SLUSH MAKERS ITEM 1424



**RESTORE OR MANUFACTURE NEW**



**DEFIBRATING RINGS FOR SLUSH MAKER ROTORS**



# PULPERS ITEM 1425

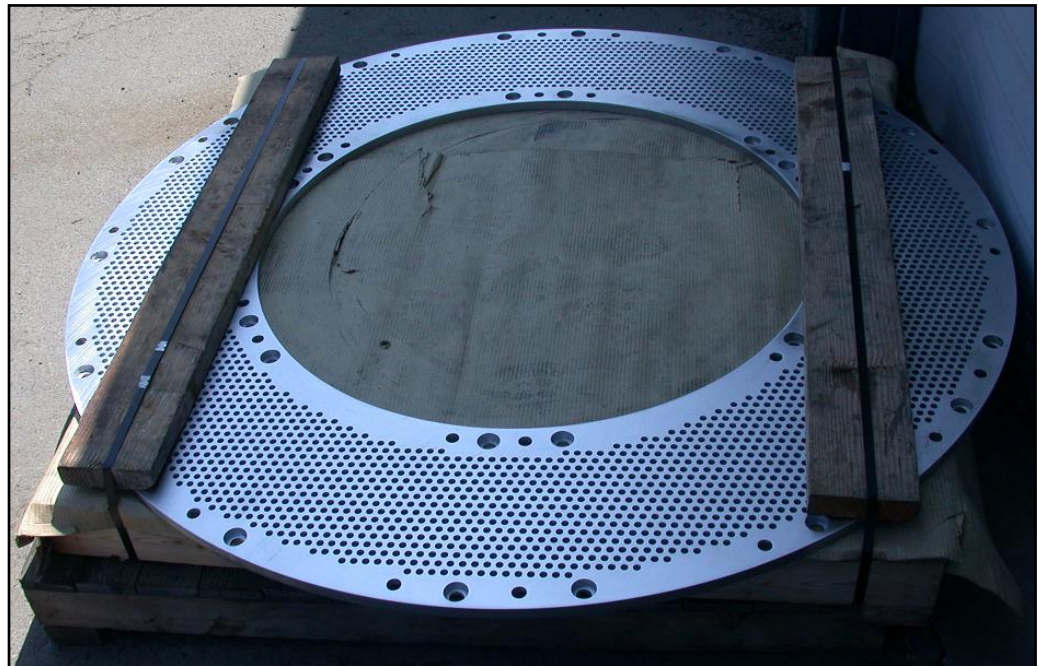


**106" DIAMETER EXTRACTION PLATE FOR SECONDARY FIBER /OCC  
RESTORE OR MANUFACTURE NEW**

ITEM 1426

## **SHARK EXTRACTION PLATE**

MFG NEW







ITEM 1427



ITEM 1428

**RESTORED 32" HYDRAPURGE ROTOR & MFG NEW EXT. PLATE**



**ULTRA III SCREEN &  
ROTOR ASSEMBLY MST  
UPGRADE /RESTORE**

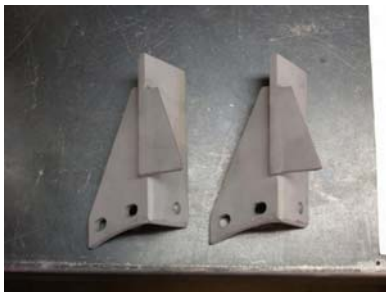
**BEARING CARTRIDGE,  
HOUSING COMPONENTS,  
BASE, AND ENLARGED  
THE ACCEPTS OUTLET**



ITEM 1429



ITEM 1430



Reject Paddles

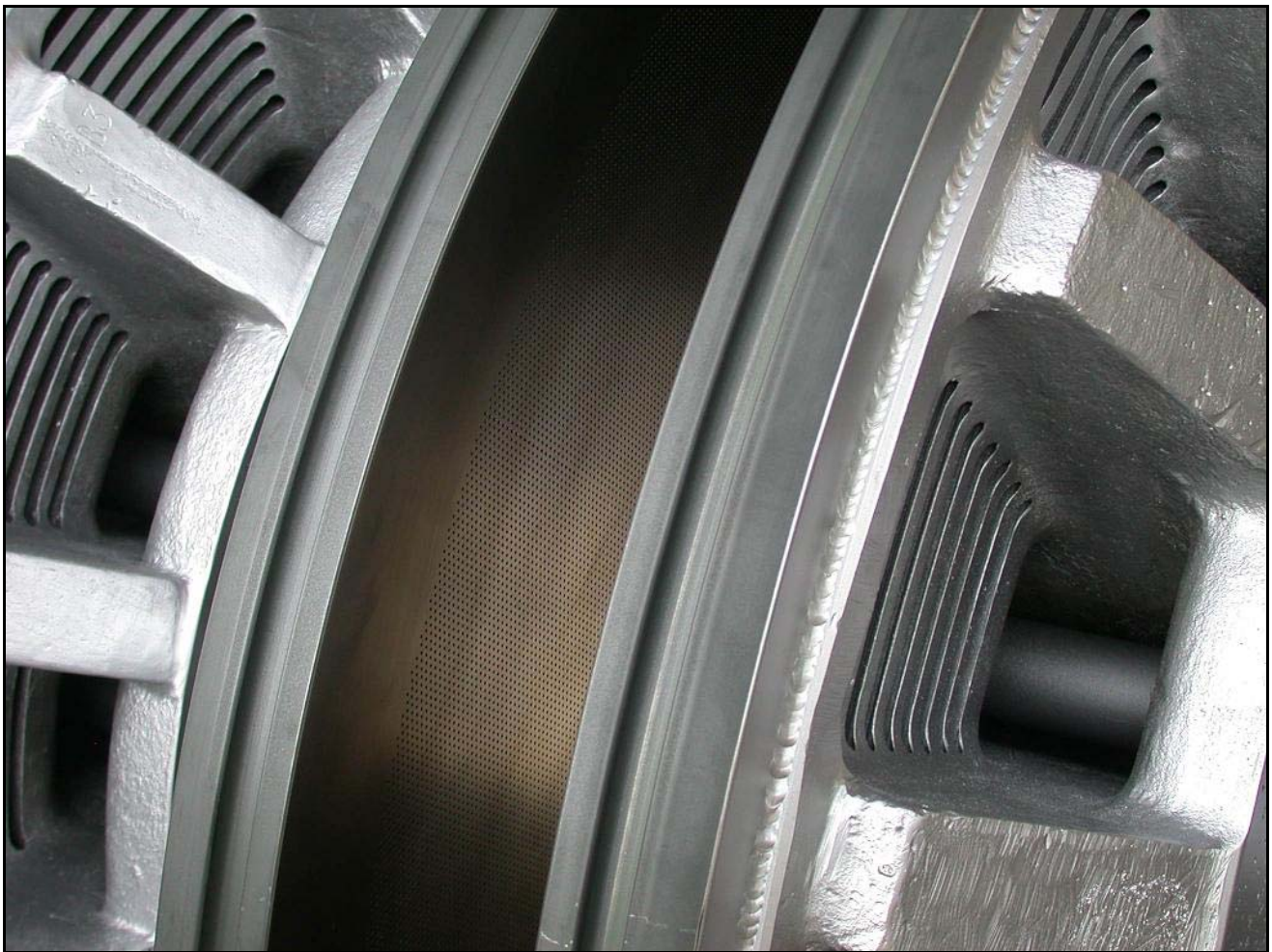
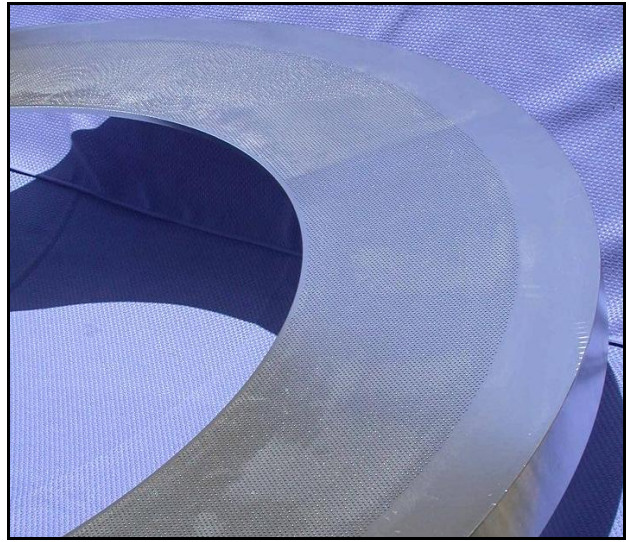
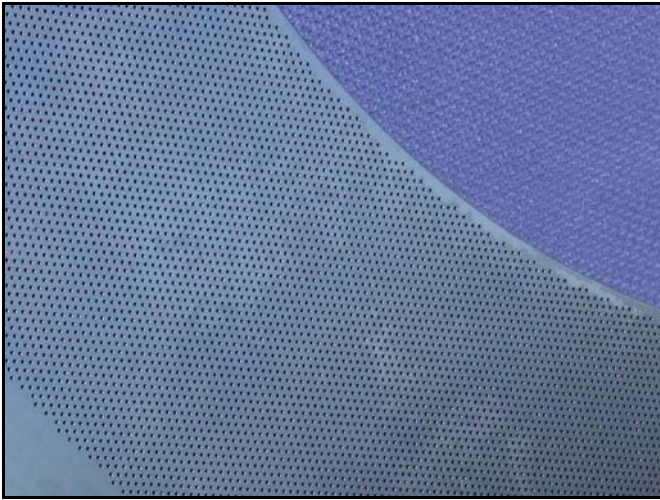


Orifice Plate

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**CSM-12 COMBISORTER SUBASSEMBLY ROTOR ELEMENTS**





ITEM 1431

**CUSTOM DEWATERING SCREENS: MFG NEW USING TYPE 254SMO AND DRILLING JUST OVER 264,000 1mm HOLES IN FOUR SCREENS USING MST'S CNC MACHINE**





ITEM 1432

**AGITATOR BLADES:**

1. OEM 316SS BLADES ARE ON THE LEFT
2. MST FERRALIUM BLADES ON THE RIGHT
3. MST MADE METALLURGICAL IMPROVEMENTS AND TO DATE 9/2006 THEY HAVE LASTED TWICE AS LONG



ITEM 1433

**MST ALSO MADE VALUE ADDED ENGR IMPROVEMENTS TO THIS AGITATOR ASSY.**

**HELP ELIMINATE A STUFFING BOX PACKING ISSUE, ETC.**

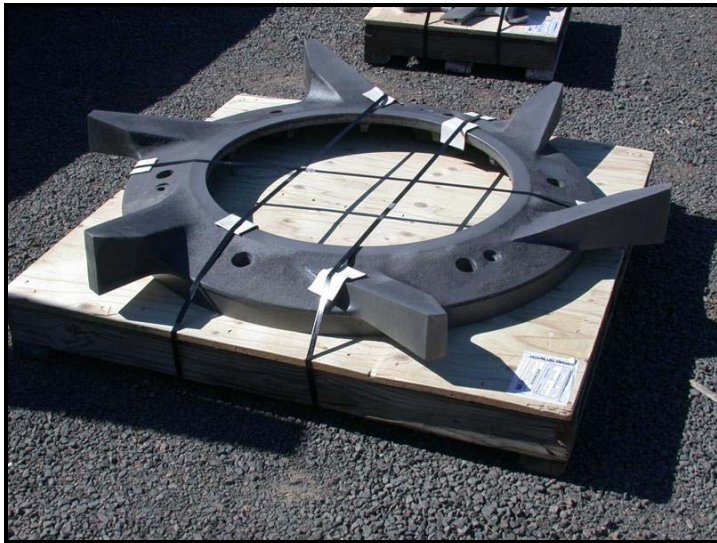
*NOT RELATED TO ABOVE BLADES*





ITEM 1434

**BLACK CLAWSON PULPER ROTOR**



**BLACK CLAWSON ROTORS OCC**

ITEM 1435 **SHARK PULPER ROTOR**



ITEM 1436

BEFORE &  
AFTER:

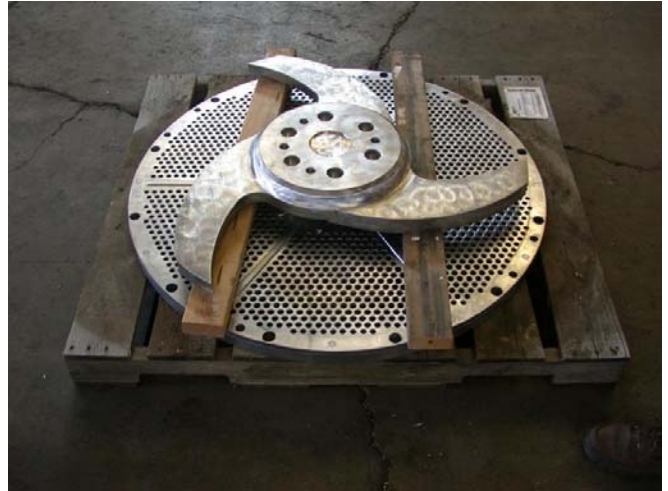
UPGRADE  
VANE  
PATTERN

ALSO  
MATCHED  
MASS TO  
MATING  
ROTOR  
FOR HP





#1437 CMV10 Contaminex Ext. Plate w/Frame Mfg New



#1437 CMV10 Contaminex Rotor Mfg New



#1438 Size 20 Contaminex Impeller



#1439 Valmet Rotor Paper Machine Broke



Valmet Segmented Extraction Plates Mfg New





#1439 VSAP-100 Voith 96" Diameter Rotor



#1439 VSAP-100 Voith 98" Diameter Extraction Plates Mfg New by MST CNC machine





# MST CORPORATION

(541) 416-9000

www.mstcorp.com



## CONTACT INFORMATION

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