



POWER SONICS, LLC
 5320 ENTERPRISE STREET
 ELDESBURG, MD 21784
 TEL: 800-959-0693
 TEL: 410-552-1011
 FAX: 410-552-1396



VISIT US AT: www.powersonics.com

EMAIL US AT: sales@powersonics.com

ENGINEERING STUDY FORM

COMPANY _____ TECH CONTACT _____

ADDRESS _____ PHONE/FAX _____

ADDRESS _____ PURCHASE CONTACT _____

CITY/STATE/ZIP _____ PHONE/FAX _____

INFORMATION ON ITEM TO BE CLEANED

GENERAL DESCRIPTION: _____

GENERAL CONSTRUCTION: _____

LARGEST PART: _____ in L x _____ in W x _____ in H ; DIAMETER = _____ in ; WEIGHT = _____ LBS

SMALLEST PART: _____ in L x _____ in W x _____ in H ; DIAMETER = _____ in ; WEIGHT = _____ LBS

THROUGH HOLES: YES NO

BLIND HOLES: YES NO

INACCESSIBLE AREAS: YES NO

CRITICAL SURFACES/MATERIALS: YES NO

PART TEMPERATURE LIMITS: _____ °F TO _____ °F

ULTIMATE USE OF CLEANED ITEM _____

INFORMATION ON CONTAMINANT(S)

ORGANICS: GREASE - OIL - WAX - FLUX - POLYMER - OTHER _____

INORGANICS: OXIDE/SCALE - SALT - FLUX - OIL - DRAW/LAP/BUFF COMPOUND - OTHER

MISCELLANEOUS: CHIPS - FINES - SHOP DIRT - PAINT - OTHER _____

SOIL SOLUBILITY: WATER - SOLVENT - OTHER _____

GENERAL COMMENTS: _____

INFORMATION ON MANUFACTURING PROCESS

PROCESS STEP JUST PRIOR TO CLEANING _____

REASONS TO CLEAN: APPEARANCE - RELIABILITY - PRODUCTIVITY - MAINTENANCE - OTHER

PRESENT PROCESS: NONE - SOAK - SPRAY - SONICS - MECHANICAL - MANUAL - OTHER

PRESENT CLEANING MEDIA: SOLVENT - ALKALINE - CAUSTIC - ACID - ABRASIVE - OTHER

PROBLEMS: ENVIRONMENTAL - CLEANLINESS - COST - HAZARDS - DAMAGE - OTHER

UNACCEPTABLE PROCESS/MEDIA _____

METHOD OF MEASURING CLEANLINESS _____

INFORMATION ON PARTS HANDLING AND TRANSFER

PRODUCTION RATE (QUANTITY PER TIME) _____ PER _____
_____ HOURS PER SHIFT @ _____ SHIFTS PER DAY @ _____ DAYS PER WEEK

BATCH LOAD PROCESS FLOW INFORMATION:

ARE PARTS CARRIERS USED NOW: YES NO
NUMBER OF PARTS PER CARRIER: _____
ARE PARTS FIXTURED NOW: YES NO
CAN PARTS BE FIXTURED: YES NO
CAN PARTS TOUCH: YES NO
CAN PARTS BE ROTATED: TUMBLED - YES NO OR FIXED - YES NO
LOADING: MANUAL OR AUTOMATIC
UNLOADING: MANUAL OR AUTOMATIC
HORIZONTAL TRANSFER: MANUAL OR AUTOMATIC
VERTICAL TRANSFER: MANUAL OR AUTOMATIC

CONTINUOUS, IN-LINE PROCESS FLOW INFORMATION:

SINGLE OR MULTIPLE PRODUCTS PER PRODUCTION LINE: SINGLE - MULTIPLE
NUMBER AND SPACING OF MULTIPLE PRODUCTS PER LINE: _____ SPACED @ _____ inch CENTERLINE
NUMBER OF PRODUCTION LINES: _____
@ LINE SPEED: _____ FPM or _____ IPS

INFORMATION ON OTHER REQUIREMENTS AND SITE PARAMETERS

DRYING - FILTRATION - EXHAUSTS - WASTE MINIMIZATION -
OTHER _____
SITE FLOOR SPACE AVAILABLE: _____ ft L x _____ ft W x _____ ft H
SERVICES: TAP WATER - DI WATER - SEWER - AIR - STEAM - GAS - ELEC ___V ___PH ___W

INFORMATION ON STATUS OF PROJECT

CLEANING PROCESS: ESTABLISHED - DEVELOPING - TESTING REQUIRED - UNKNOWN
PROPOSAL: FINAL QUOTATION - FIRM RFQ - ESTIMATE ONLY
FUNDING: APPROVED - INITIAL REQUEST - PRELIMINARY BUDGETING
DUE DATES: QUOTES ___/___/___ - PURCHASE ___/___/___ - SHIPMENT ___/___/___
BUY PARAMETERS RANK): PRODUCT - PERFORMANCE - APPLICATION SUPPORT - COST
 SHIPMENT - SERVICE - WARRANTY - OTHER _____
OTHER COMMENTS/FUTURE PLANS: _____

FORM COMPLETED BY _____ DATE _____