

Tube Tool Needs Assessment Questionnaire

Locally supported by:



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Elliott Sales Representative

Name: _____ Phone: _____
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Prospective Customer

SOLD TO

Company: _____
 Address 1: _____
 Address 2: _____
 City: _____
 State: _____
 Zip Code: _____
 Country: _____
 Contact Name: _____
 Contact Phone: _____
 Contact Fax: _____
 Contact Email: _____
 Your Reference: _____

COMMERCIAL

Preferred Date Of Delivery: _____
 Purchase Rental
 Budget Expectation (USD): _____
 Will this require new or revised credit terms? Yes No
 What will be the determining factor(s) in your purchase decision?
 Features/Benefits Price Product Availability
 Vendor Relationship Product Quality

VESSEL

Boiler – Watertube
 Boiler – Firetube
 Chiller / Heat Exchanger
 Process Transfer Line
 Other

Please use a separate form for each vessel so we can recommend the best tools for your project.

| | | Joint 1 | Joint 2 |
|---|---|-----------|-------------|
| Tube Sheet or Drum Wall | Thickness: _____ Material: _____ | _____ | _____ |
| Tube Info | <input type="checkbox"/> ID <input type="checkbox"/> OD Wall Thickness / Gauge: _____ | _____ | _____ |
| | Finished Tube ID/Desired Wall Reduction: _____ | _____ | _____ |
| | Min Wall: <input type="checkbox"/> Yes <input type="checkbox"/> No Material: _____ | _____ | _____ |
| | Length: _____ Number Of Tubes: _____ | _____ | _____ |
| Tube Projection From Tube Sheet: Inlet _____ Exit _____ | | | |
| Tube Section | <input type="checkbox"/> Curved Tube <input type="checkbox"/> U-Tube (Minimum Radius if known _____) | | |
| | <input type="checkbox"/> Straight Tube <input type="checkbox"/> Vertical <input type="checkbox"/> Horizontal | | |
| If Watertube - Drum ID: _____ | | Mud _____ | Steam _____ |
| Power | <input type="checkbox"/> Electric <input type="checkbox"/> Pneumatic | | |
| | <input type="checkbox"/> 110 V <input type="checkbox"/> 220 V | | |
| Special reach or space constraint: _____ | | | |

Clean

QUESTIONS

Type of Deposit Soft, gummy or organic compounds
 Hard deposit that tends to break to powder
 Rock solid deposit

Composition Of Deposit: _____
 Thickness Of Deposit: _____
 Number Of Tubes To Be Cleaned: _____
 Deposit Flush: Dry Wet
 Tube Surface: Prime Enhanced

INTERESTS

Cleaning Package
 Consumables
 Notes: _____

Test

QUESTIONS

Testing For: Leaky Tubes Joints
 Number Of Tubes To Be Checked: _____
 Air Test Hydrostatic Test
 Pressure (60 - 100 PSI): Air Vacuum

INTERESTS

Tube Tester: Vacuum Air Injected
 Test Plugs - High Pressure
 Joint Tester: Vacuum
 Seals And Washer Sets
 Extensions

Plug

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Number Of Tubes To Be Plugged: _____
 Are there restrictions limiting access to the face of the tube sheet?
 Yes No
 Do plugs require material certification and traceability?
 Yes No

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One-Piece (200 PSI)
 Two-Piece (200 PSI) Rings Pins
 High Pressure (6,000 PSI) Torque Wrench
 One Revolution Tube Cutter For Venting
 Tube Brushes For Cleaning Tube

Remove

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Individual Tube Cutting:
 Number of Tubes to be Pulled: _____
 Frequency of Pulling Tubes: _____
 Purpose of Tube Cutting: Puncture Cut
Tube Bundle Cutting:
 Maximum Tube Sheet Diameter: ≤ 78" ≤ 98"

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Individual Tube Cutter: Blades Pins Motors
 Tube Bundle Cutter: Blades Hydraulic Clamp Support Table
 Chisels Lubricator
Tube Puller: Manual Semi-Continuous
 Pumps Balances Spears Nose Pieces
Tugger: Collet: Stub: Continuous:
 Pumps Collet Sets Spears Spears
 Balances Draw Bars Lock Collet Sets
 Nose Pieces Adapter Nose Pieces
Hammers: Pneumatic Tube Buster Knockout Tools Collapsing Tools

Install

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Number Of Tubes To Be Rolled: _____
 Reach Requirements: _____
 OR
 Expansion Length: _____
 Location of Expansion (in tubesheet): _____
 Tube Auger / End Prep Blade: (If applicable)

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Chiller/Heat Exchanger:
 Expander Support Sheet Expander
 Rolls (Single Radius) Mandrels
 Rolls (Double Radius) Cages
Boiler:
 Expander: Straight Roll Flare Roll Roll Bead
 Rolls Mandrels
 Lubricant / Bead Coolant
 Rolling Motor: Torque Controlled Stall
 Electric Torque Control
 Tube Hole Gauges
 Grooving (Serrating) Tools And Spare Bits
 Tube Sheet Hole Brushes
 Tube Auger / End Prep
 Tube Pilots / Guides
 Tube End Facing And Spare Bits
 Seat Grinder: Handhole Manhole (Rental Only)

Standard Blades Available:

| | Part Number | Profile | |
|---|-------------|---------|--------------------------|
| 37-1/2" O.D. Bevel | EP163037 | | <input type="checkbox"/> |
| 90° Face / Weld Removal | EP163190 | | <input type="checkbox"/> |
| 37" I.D. Bevel | EP163137 | | <input type="checkbox"/> |
| 3/16" Radius Heat Exchanger Cutter / Weld Removal | EP163012 | | <input type="checkbox"/> |
| 1/4" Radius Boiler Plate Cutter / Weld Removal | EP163010 | | <input type="checkbox"/> |

Blades come standard with special coating.
 Tool has ratchet clamping and ratchet feed.
 6070 Filter / Lubricator recommended for use with tool.



Handhole Seat Grinder Width: _____
 (If applicable)

Drawings or Notes