SERVICE OFFERINGS

BOLT TORQUING SERVICES • BUNDLE EXTRACTION • CATALYST SERVICES
CHEMICAL CLEANING • EXCHANGER TUBE BUNDLE SERVICES
HYDROBLASTING • VACUUM TRUCK SERVICES
New standards in bolting speed, safety and joint reliability. Unprecedented bolt load precision.

- Using Hytorc Equipment
- Bolt Tensioning Capabilities
- Leak Free Services
Turner Specialty Services maintains a fleet of over 40 aerial, truck mounted and self-propelled extractors, considered to be the most advanced design in the industrial service marketplace.

**Aerial**
- Remote controlled operation
- Bundles up to 102” and 55 tons

**Truck Mounted**
- Can extract from either side up to 55,000 lbs.
- Can extract bundles from 2’ – 23’ elevations
- Can easily be moved in & out of any area

**Self-Propelled**
- Height reach 21 feet
- Can extract from either side
- Extract bundles up to 80,000 lbs.
- Cab operated or remote control

**Bundle Transportation**
- Bundle capacity of 60,000 lbs.
- Environmental catch pan
- Adjustable support blocks
- Supports all extractors
- Certified operators
Turner Specialty Services offers best practices and state-of-the-art technology, equipment and experience to the refining, chemical and petrochemical industries.

**Catalyst Equipment**
- NIOSH Approved Life System with ELL Line
- Model 2000 NIOSH Approved Life Support Helmets
- (Side Pigtails) Hard Wired Handsfree Communications
- Hurricane 755 Vacuum Systems
- 4500CFM Blowers
- Capable of Pulling 18” of Mercury
- Nitrogen Package
- Outland Tech. Camera System
- Color monitor, Screen Writer with DVD, SD & DVR capabilities.
- Screening Capabilities
- Rotex and or Sweco
- Life Support Trailers
- Our life support trailers were designed & built by Edelhoff
- They are fully equipped with built in air regulating system, video system, storage for all life support equipment, testing station, as well as a client area for video review or any other business related items.

**Services Provided**
- Blind to Blind Services
- Bolt Torquing
- Dense Loading/Soft Loading
- Inert/Non-Inert Catalyst Loading & Unloading
- Screening
- Single/Multi-Bed Loading & Unloading
- Tower Work
- Tray Removal and Re-installation
- Video Inspection Services
- Welding Services
- Having our system enclosed in a climate controlled trailer dramatically reduces the chances of mechanical failures to our life support equipment.
CHEMICAL CLEANING

- Hydrochloric Acid Circulation
- Citric Acid Circulation
- Degassing Service
- HF Acid Removal & Neutralization in Alky Units
- Chemical Roto-Jet Service
- Organic Deposit Cleaning

- Environmentally Safe Chemicals
- Pre-Operational Cleaning Service
  - Degassing procedures
  - Pre-operational cleaning
  - Process deposit removal
  - HF-Alky cleaning
  - Hydrocarbon removal
Exchanger Tube Bundle Automated Services

- Full Service Cleaning Pad Management
- Automated Shellside Cleaning
- Automated Tubeside Cleaning
- Automated Component Cleaning
- Automated Tube Bundle Saw
  - Cuts up to 78” H x 85” W
  - Safely cuts bundles
  - Self-contained and mobile
HYDROBLASTING
10,000 - 40,000 psi capabilities

Hydroblasting Services Provided
• Line Mole Services
• Shotgun Applications Including Handsfree Automation
• Bio-Blast
• Fully Automated Cleaning
• Abrasive Cleaning with High Pressure Water
• 3D Tank & Tower Cleaning
• Boiler Cleaning with High Volume Track System

Ultra High Pressure Services
• UHP Exchanger Cleaning
• UHP Shotgun Cleaning
• UHP Surface Preparation
• UHP Metal Cutting

VACUUM TRUCK SERVICES

• Wet / Dry Combination Trucks
• Liquid Trucks
• Liquid Ring Trucks
• Sewer Cleaning Combination Trucks
• Hydro Excavation Trucks
• Product Exhaust Scrubber Units
MAINTENANCE & TURNAROUNDS
Contract Maintenance • Predictive Maintenance • Specialty Welding Services
Turnaround Execution • Project Management • Project Controls • Catalyst Change Out
Strategic Turnaround Services • Mobil-Ops™ Procedure Management • TRAM® Solutions
Scaffolding, Insulation, Painting & Abatement (SIPA)

SERVICE OFFERINGS

CONSTRUCTION
General Contractor • Civil • Structural • Mechanical • Piping • Electrical & Instrumentation
Project Management • Planning & Scheduling • Turnkey Capability (EPC)

EQUIPMENT, RIGGING & SPECIALIZED TRANSPORTATION
Construction Equipment • Rigging & Lifting Services • Crane Capacity to 800T
Heavy Hauling Specialists • Crane & Equipment Rentals

PIPE FABRICATION
Carbon & Alloy Spool Production • Induction and Cold Bending • In-House NDE & X-Ray
Onsite Stress Relief • Climate Controlled Blasting • Coating Services
Computerized Spool Tracking • Internet Status Reporting

MODULAR FABRICATION
Blasting and Painting • Certified ASME Code Facility • Truck, Rail & Deep Water Access
Structural Steel Fabrication • Pipe Support Fabrication • Pipe, Process & Equipment Modules
Duct Work & Transition Fabrication • Specialty Alloy Work • Clean Room Fabrication

MAINTENANCE & TURNAROUNDS
Contract Maintenance • Predictive Maintenance • Specialty Welding Services
Turnaround Execution • Project Management • Project Controls • Catalyst Change Out
Strategic Turnaround Services • Mobil-Ops™ Procedure Management • TRAM® Solutions
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SPECIALTY SERVICES
Full Service Environmental & Remediation Contractor • Landfill Construction & Management
NDE, Inspection & X-Ray • Bolt Torquing Services • Bundle Extraction • Catalyst Services
Chemical Cleaning • Exchanger Tube Bundle Services • Hydroblasting • Vacuum Truck Services