

# PIGGING & DECOKING



## Advantages

- All-inclusive mechanical pigging services
- Complete project design and engineering
- Largest triple-pass fleet in the world
- Best-in-class pigging pumper fleet
- Advanced automation and electronics
- HD video and real-time updates
- Smart pigging capabilities
- Safe and environmentally compliant
- Cost savings analyses

USA DeBusk provides pigging and decoking services for furnace coils in refining, chemical processing and pipeline operations. This mechanical cleaning service removes hydrocarbon coke and inorganic contamination that accumulates on the inner walls of furnace coils, increasing flow, restoring heat exchange efficiency and reducing differential pressure.

Effective pigging and decoking helps avoid costly outages, reduces unit operating costs and enhances profitability while minimizing safety risks.

## ADVANCED TECHNOLOGY

USA DeBusk operates the most advanced and innovative pigging and decoking pumper fleet in the industry.

Features and capabilities of each unit include:

- TriMax™ triple pumping systems that increase productivity by 50%
- The most diverse selection of decoking pigs in the world
- Tier Three 4F turbo diesel engines
- Next-generation operator interface and touch screens
- HD camera system for remote viewing via pigging portal
- Custom support trailer

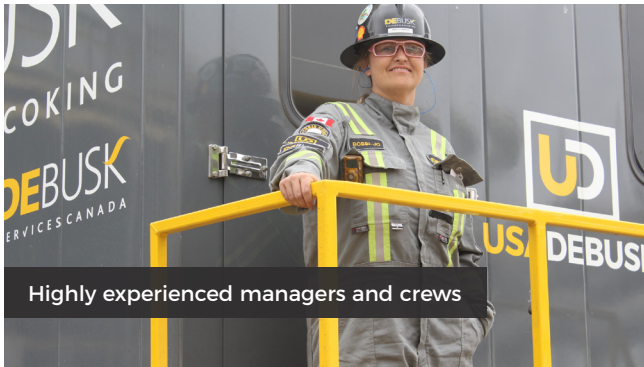
Pumpers are designed for maximum safety and environmental compliance. Each unit is completely self-contained to prevent spills and is equipped with emissions-compliant engines.



See our video at  
[www.usadebusk.com/pigging-and-decoking](http://www.usadebusk.com/pigging-and-decoking)



Systems engineered for safety



Highly experienced managers and crews

USA DEBUSK DELIVERS  
SUPERIOR RESULTS  
USING THE SAFEST, MOST  
TECHNOLOGICALLY  
ADVANCED SYSTEM IN  
THE WORLD

## CLEANING & ASSESSMENT

The service is performed with a progressive pigging system in combination with USA DeBusk's proprietary trailer-mounted pigging pumper that propels a cleaning pig through the furnace tubes using low-pressure water.

A pig launcher is installed on a furnace inlet and pig receiver is installed to an outlet of the furnace, creating a closed-looped system in which the pig is pumped bi-directionally through the coil.

TriMax triple pumping systems allow cleaning and decoking to be completed in two passes and smart pigging to be performed in a third pass or three cleaning passes to be performed at the same time. Smart pig inspections assess the condition of tube walls to assist in further maintenance planning.

## EXPERTISE & SERVICE

The USA DeBusk pigging and decoking management team includes veteran experts with extensive pigging and decoking experience. Each crew is highly trained for safe and effective performance.

USA DeBusk provides comprehensive planning and execution, including project design, engineering, scheduling, cost savings analyses and verifiable results for all services.



World's most advanced pumper fleet