

# PIONEER DREDGE



*Designing Dredge Solutions*



“**PIONEER** delivers custom engineered solutions.”

### What We Do

- Manufacture new cutterhead and customized dredges
- Design and implement engineered modifications on existing dredges
- Assemble new cutterheads & offer an inventory of cutterhead parts

### Who We Are

- A seasoned engineering staff with in depth experience in dredge manufacturing
- A multicultural and multilingual team able to connect with our customers worldwide
- A service focused personnel advising our clients from engineering concepts to final delivery

# Designing Dredge Solutions



## Our Manufacturing Capability

- State of the art manufacturing at our 100,000 sq. ft. facility
- In house construction of all major dredge components
- Skilled workforce experienced in dredge & marine industry



## Our Engineering Edge



- Conceptualize and design dredges with in house staff
- Determine appropriate pump size, power, and ladder length
- Calculate the production & buoyancy under various conditions

## Cutterhead Assembly & Parts

- Manufacture of New Cutter Heads
- Parts inventory, including:
  - Back Rings, Edges, Blades, Hubs

## Engineer Modifications

- Ladder Extension
- Pump Replacement
- Engine Upgrade (Repower)
- Cutter Size and Power Upgrade
- Hydraulics Upgrade
- Suction Jet System addition
- Controls and Automation Upgrades



# Designing Dredge Solutions

## Accessories

- Boosters
- Work Boats
- Pipe & Floats
- Pump Parts
- Discharge Pipes

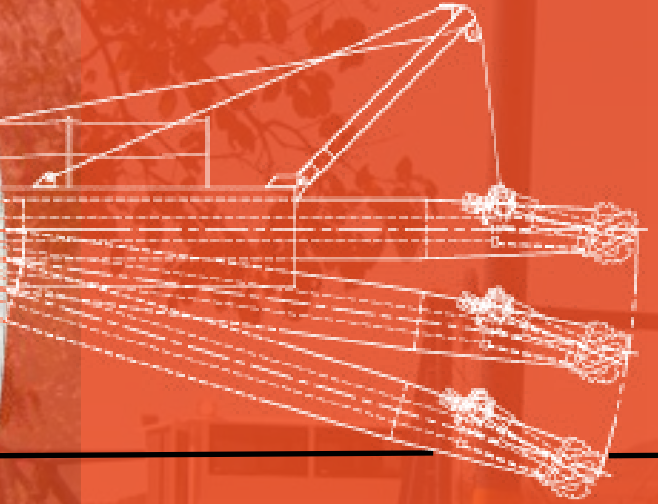
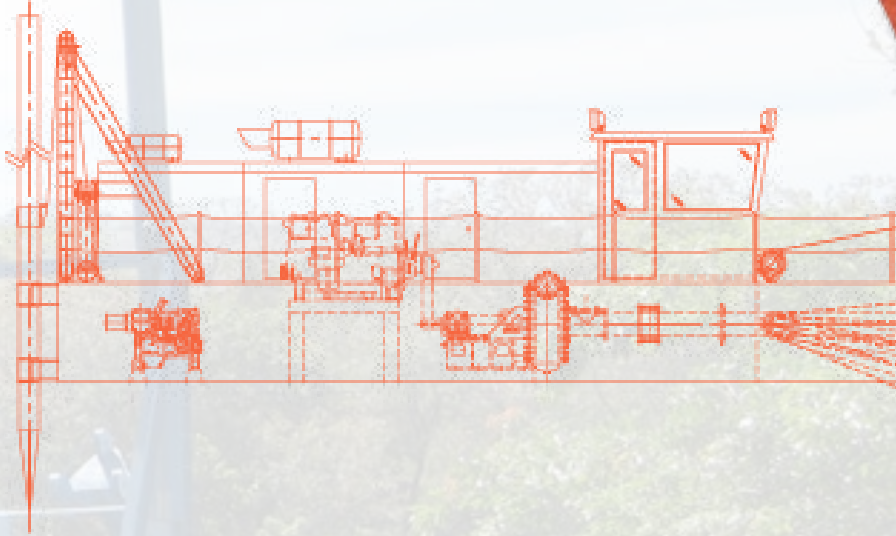




MODEL	PUMP		POWER		CUTTERHEAD	LADDER		EST. PRODUCTION	
	Size (In.)	Dia. - Inches	Main (CAT)	Aux. (CAT)		Feet	Meter	CBY/hr	CBM/hr
Predator 1000-10	10x10	32	440-HP		40-HP	32	9.75	175-292	160-267
Predator 2000-12	14x12	36	750-HP	250-HP	60-HP	42	12.8	262-437	239-401
Predator 2000-14	16x14	40	750-HP	250-HP	60-HP	42	12.8	318-530	290-484
Predator 3000-16	18x16	40	855-HP	325-HP	150-HP	52	15.85	419-699	383-639
Predator 3000-18	20x18	46	1020-HP	325-HP	150-HP	52	15.85	535-891	489-814
Predator 4000-20	22x20	46	1175-HP	385-HP	200-HP	62	18.89	664-1106	607-1011



# *Designing Dredge Solutions*



*New Hydraulic Cutterhead Dredges*

*Manufactured in the USA*

*Functional Simple Design*

*Cutting Edge Technology with AutoCAD*

*Design Custom Solutions to Include:*

- Electric, Natural Gas, Diesel*
- Ladder Length, Pump Position*

## UNITED STATES

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