

Cutter Suction Dredges



Made in the U.S.A.

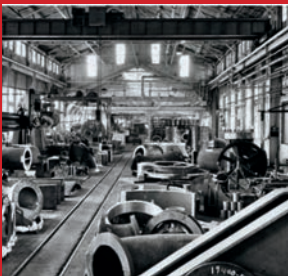
AN **ellicott** BRAND
DREDGE ENTERPRISES

About Ellicott Dredges



Charles Ellis Ellicott

In 1885 Charles E. Ellicott opened a waterfront machine shop in the growing city of Baltimore, Maryland. Business thrived and in 1888 he was approached by a local contractor to design and build new machinery for a dredge that was struggling in nearby Washington, D.C.



By 1907 the U.S. Corps of Engineers took notice of the success of the Ellicott® brand name and purchased four dredges for the largest construction project ever undertaken – the Panama Canal. The performance of these machines led to the Ellicott® brand name becoming known around-the-world for strong, capable, and versatile dredges.



Countries where Ellicott® brand dredges have been supplied



The Arctic Northern, a B1690 Dragon® Dredge, in the Mackenzie River Delta - Canada



A 1270 Dragon® Dredge working in Oil Sands Tailings - Canada



New fishing harbor being built with the help of an 1170 Dredge - Alaska, USA



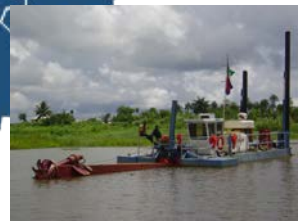
Port dredging with a 670 Dragon® Dredge - Guatemala



The Mindi, a 10,000 HP, 28" dredge maintaining depth in the Panama Canal - Panama



Dredging small harbors and inlets with 370 Dragon® Dredge New York, USA



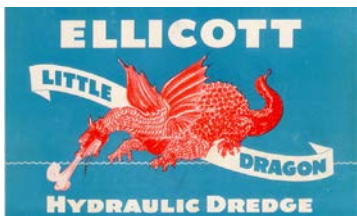
Sand mining with a 370 Dragon® Dredge - Nigeria



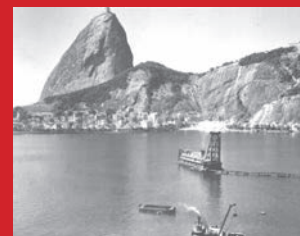
A 1270 Dragon® Dredge on a flood control project on the Salado River - Argentina



Our History



Boat harbor development using a 970S Dragon® Dredge - Russia



A large cutter suction dredge, the *STER 1*, heading towards Sugarloaf Mountain in Rio de Janeiro - 1963



The Salina Cruz, completely assembled in a Baltimore, Maryland shipping yard, ready to be dismantled and loaded for a railway journey to Mexico - 1957



PD-5, a 17,000 HP (12,700 KW) Super Dragon™ built for a large land reclamation project - South Korea



4170 Super Dragon™ Dredge being used for island creation - Abu Dhabi, UAE



One of four 26" Super Dragon™ dredges built for flood control and navigation projects - Bangladesh



Built for construction of a hydroelectric plant, the *Hydro Quebec*, was the most powerful dredge in the world - 1950's



Custom B1190 Electric Wheel Dragon™ dredging hard material with Ellicott's patented Dual Wheel Excavator - Saudi Arabia



The *Cooljarloo*, built for mineral mining, one of the world's largest bucketwheel dredges - Australia

Swinging Ladder Dredges

360SLM Swinging Dragon® Dredge



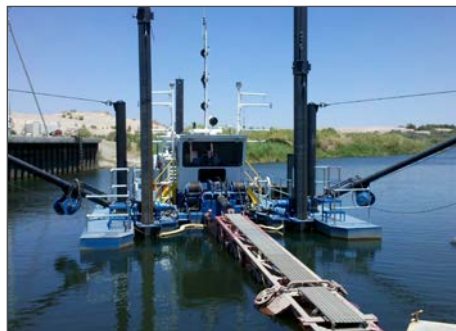
- 8" (200 mm) pumping system and 15' (4.5 m) digging depth
- Single diesel engine powers hydro-static pump drive and second pump for auxiliary controls
- Optional swing winches for conventional operation

460SLM Swinging Dragon® Dredge



- 12" (300 mm) pumping system and 20' (6 m) digging depth
- Ideal for environmental cleanup, waterways and lake projects
- Can be outfitted with swing winches for conventional operation

860SLM Swinging Dragon® Dredge



- 14" (350 mm) pumping system and 30' (9 m) digging depth
- Swing winches are standard for dual operation
- Conventional dredging mode allows for wider swing widths for optimal precision and production efficiency

Dredge Model	360 SLM	460 SLM	860 SLM
Discharge Diameter	8" (200 mm)	12" (300 mm)	14" (350 mm)
Max. Digging Depth	15' (4.5 m)	20' (6 m)	30' (9 m)
Total Power	375 HP (280 kW)	540 HP (724kW)	800 HP (596 kW)
Pump Power	290 HP (215 kW)	320 HP (240 kW)	625 HP (470 kW)
Cutter Power	40 HP (30 kW)	40 HP (30 kW)	100 HP (75 kW)

Portable Cutterhead Dredges

370M Dragon® Dredge



- Simple design makes it an ideal dredge for first-time owners
- Heavy-duty construction and components
- Versatile—used for sand mining, dredging of small waterways, canals, and marinas

670M Dragon® Dredge



- Similar great features as the 370 but in larger size with higher production rates
- Simple and fast assembly with minimal effort
- Powerful pumping capacity: 715 HP (533 kW) and 100 HP (75 kW) cutter drive

870JD Jet Dragon® Dredge



- Digging depth to 60 ft. (18 m)
- Unique Jet Suction Assist allows for high production at any digging depth
- No submerged ladder pump—keeps maintenance simple

Dredge Model	370 M	670 M	870 JD
Discharge Diameter	10" (250 mm)	14" (350 mm)	14" (350 mm)
Max. Digging Depth	20-42' (6-15 m)	33-42' (10-13 m)	60' (18.2 m)
Total Power	416 HP (312 kW)	715 HP (533 kW)	960 HP (715 kW)
Pump Power	320 HP (240 kW)	560 HP (420 kW)	575 HP (430 kW)
Cutter Power	40 HP (30 kW)	100 HP (75 kW)	100 HP (75 kW)

Portable Cutterhead Dredges

1270M Dragon® Dredge



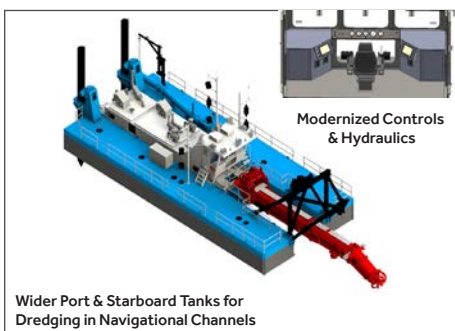
- Compact design allows for rapid deployment and mobilization
- Fairly easy to tow and maneuver in confined areas
- Equipped with two separate diesel engines, one of which is totally dedicated to the dredge pump for optimal production
- Typically used for medium-sized navigation projects such as ports, harbors, rivers, and inland waterways

Dredge Model	1270 M	1870 G2	2070
Discharge Diameter	18" (450 mm)	20"	20" (500 mm)
Max. Digging Depth	50' (15.2 m)	50' (15.2 m) Optional 58' (17.6 m)	50' (15.m)
Total Power	1,175 HP (876 kW)	1,840 HP (1372 kW)	1,740 HP (1300 kW)
Pump Power	800 HP (596 kW)	1,125 HP (838 kW)	1,300 HP (970 kW)
Cutter Power	155 HP (115 kW)	250 HP (185 kW)	250 HP (185 kW)

Ideal for river dredging, port applications, and land reclamation projects

1870G2

2070 Dragon® Dredges



- Available with optional spud carriage and anchor boom installation
- Equipped with two engines, one dedicated to the dredge pump for maximum production and an auxiliary engine to power the hydraulic system with generator
- Fully assembled, factory testing, and transported by truck to new location

Large Cutterhead Dredges

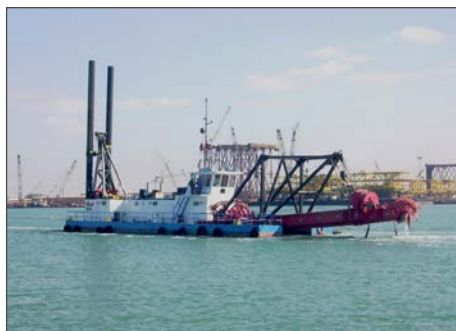
3870 Super-Dragon™ Dredge



- Innovative catamaran hull design
- Ladder pump driven directly by diesel engine via pivoting gearbox
- High production rates from submerged dredge pump
- Standard spud carriage

Dredge Model	3870	4170
Discharge Diameter	26" (650 mm)	24" (600 mm)
Max. Digging Depth	60' (18 m)	60' (18 m)
Total Power	3,860 HP (2,880 kW)	4,090 HP (3,050 kW)
Pump Power	2,450 HP (1,825 kW)	2,680 HP (2,000 kW)
Cutter Power	600 HP (450 kW)	750 HP (560 kW)

4170 Super-Dragon™ Dredge



- Heavy-duty, long life design
- Available as single welded monohull design or 6-piece dismountable hull
- Optional spud carriage and anchor booms

Custom Dredges and Special Features

Large Custom Dredges



Greater than 24" discharge

- For major capital dredging projects
- Up to 15,000 HP (11,185 kW)
- For very high output — up to 82' (25 m) digging depth

Wheel Dragon™ Dredges



Dual Wheel Excavators

- Excellent excavation device for hard materials
- Extremely high recovery rates make it standard excavator for many mining applications

Electric Dredges



Available in all sizes

- Built to meet Ellicott or Customer's design or specifications



Booster Pumps

Skid-Mounted or Floating Units

- 325 HP (242 kW) to 1,125 HP (838 kW)
- Electric or Diesel
- Standard units available in 10" to 20" (250 mm to 500 mm)



Parts and Service



Replacement Parts:

- OEM Supplier
- After-Sales Support
- Stocked Ellicott Parts



Field Services:

- Training and Tech Support
- Factory Trained Technicians
- Emergency Response

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DREDGE ENTERPRISES

Ellicott Dredge Enterprises Brand Portfolio:

