



ORANGE PIT bv

StrongMiningDredger 10 m range

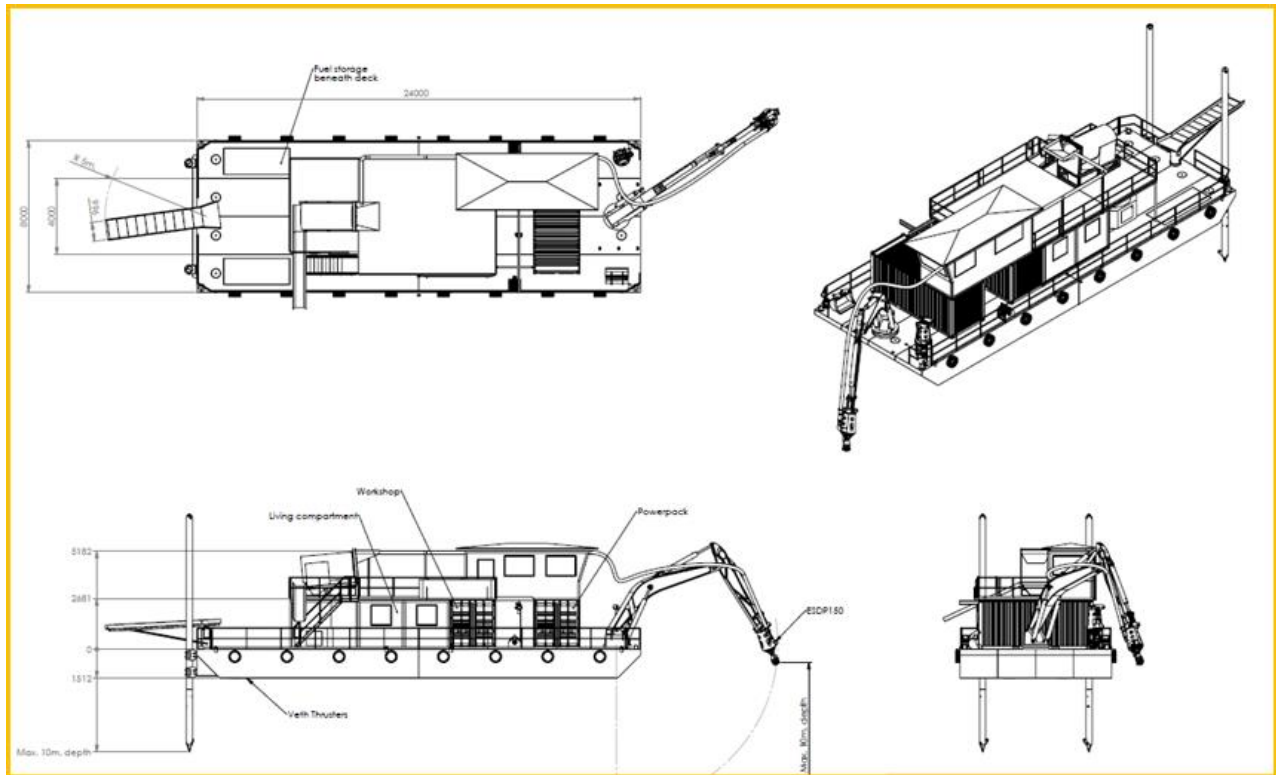


OrangePit's StrongMining Dredger is a multifunctional tool especially designed for alluvial mining activities in rivers ponds or lakes being equipped with a multifunctional dredging arm able to work in suction, cuttersuction, grab or rip mode. Dredged material can be pumped to a selection plant or disposed in hopper barges for further handling elsewhere. Due to being able to change the dredging tools this dredger can be very usefull in mixed soils or soil with interim hard layers

StrongMiningDredger range:		10 / 150	10 / 200	10 / 250	10 / 300	10 / 350
Excavator version suction depth up to	[m]	10	10	10	10	10
Mixture	[m ³ /hr]	450	850	1250	1900	2300
Solid material*	[m ³ /hr]	58	109	160	244	295
Solid material*	[ton/hr]	101	191	281	427	517
Total power**	[kW]	100	185	255	425	470
Suction pipe Ø	[mm]	200	200	250	300	350
Delivery pipe Ø	[mm]	150	200	250	300	350
Spherical passage	[mm]	100	110	130	150	190
Waterjet flow	[m ³ /hr]	100	150	200	250	250
Waterjet pressure	[bar]	7	7	7	7	8
Cutter diameter	[mm]	350	450	550	650	700
Dry weight pump unit	[ton]	1.1	1.6	2.5	4.0	4.3
Excavator weight	[ton]	14	25	34	70	70
Pump arm	[m]	Custom	Custom	Custom	Custom	Custom
Dimensions	[m]	Custom	Custom	Custom	Custom	Custom
*Solid material = 70% < 2 mm 20% 2 - 32 mm 10% > 32 mm				**Power = A-rating or Electric		
Options:						
Spuds up to 12 meter		Option	Option	Option	Option	Option
Spud carrier up to 12 meter		Option	Option	Option	Option	Option
Mooring winch		Option	Option	Option	Option	Option
Automatic Dredge control		Option	Option	Option	Option	Option
Cabin AC		Option	Option	Option	Option	Option
Toilet		Option	Option	Option	Option	Option
Powerpack		Option	Option	Option	Option	Option

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General Arrangement



RELATED ORANGEPIT PRODUCTS:



StrongFloats



StrongWaterjets



StrongWorkboats



StrongServices



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