

Gaodetec Furnace Breaker

Description

Furnace Breaker also known as a dismantling machine is an industrial equipment that uses a hydraulic system to dismantle furnaces. It operates through hydraulic oil pressure that drives the hydraulic cylinders to extend and retract to complete the work. The main tasks of the lance machine (dismantling machine) are: routine slag cleaning at the furnace mouth, drilling and enlarging the tap hole, and demolishing the inner lining during major overhaul of the converter.



Working Principle and Structure

Core Principle: Relies on the hydraulic system, using hydraulic oil pressure to drive the hydraulic cylinders to extend and retract, thereby achieving the dismantling action.

Main Components: Hydraulic system, worktable (height-adjustable), and clamps (to prevent sliding or tilting during dismantling).

Working Mechanism: The working arm consists of a main swing arm, a telescopic arm, a bracket, hydraulic cylinders, and a hose guide device. The luffing (lifting and lowering) motion is controlled by the boom lift cylinder.

Chassis Structure: The undercarriage features an X-shaped welded rigid frame, offering excellent rigidity and strong torsional resistance.

Technical Data

Diesel engine power	154Kw, 2200rpm
Traveling speed	2~3Km/h (low speed)
	4~5Km/h (high speed)
Hydraulic System Pressure	
Working pressure	30Mpa
Hydraulic control pressure	3Mpa
Working arm telescopic stroke	4000mm
Working arm rotation speed	12rpm
Working arm swing angle	Up 32° Down 76°
Platform rotation angle	360°
Hammer swing angle range	-105°~ +10°
Dimension	10040x3180x3145mm
Weight	2500Kg

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