



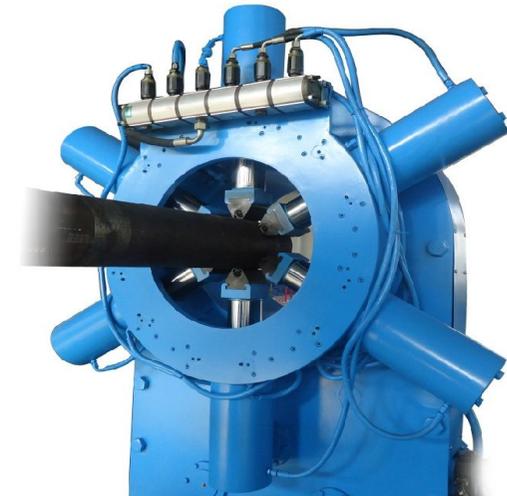
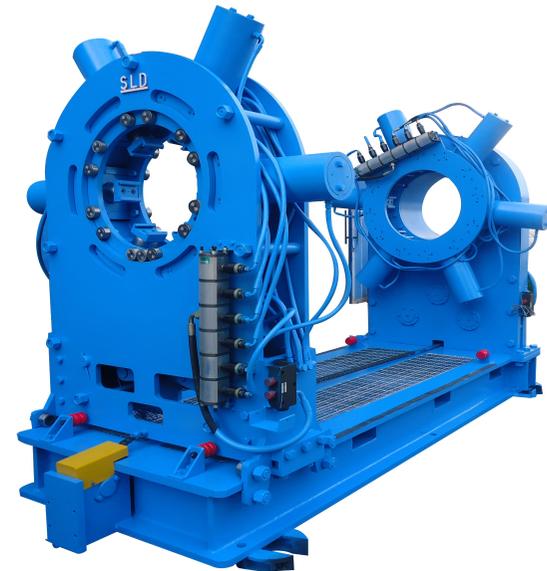
ERA - SLD Make/Break Unit

Introduction

ERA-SLD series makeup and breakout unit is a professional machine widely used in oilfield and mining industry for fast and accurate Makeup or Breakout of threaded connections on downhole tools and equipments. The basic machine consists of a bed complete with a fixed headstock , a movable tailstock that applies the torque, and a HPU with control console. The SLD make/break unit is safely and efficiently operated by one person. The hydraulic control console can be wired to suit any power supply.

Design Features

- Continuous Gear Drive Rotations
- Safe and easy to use
- Self centering cylinders Distribute Forces Evenly
And preventing thread damage
- Computerized torque control system
- Increase production efficiency
- Fully customized



Options and Accessories

--Bed length

A common bed length is 10', other length are available

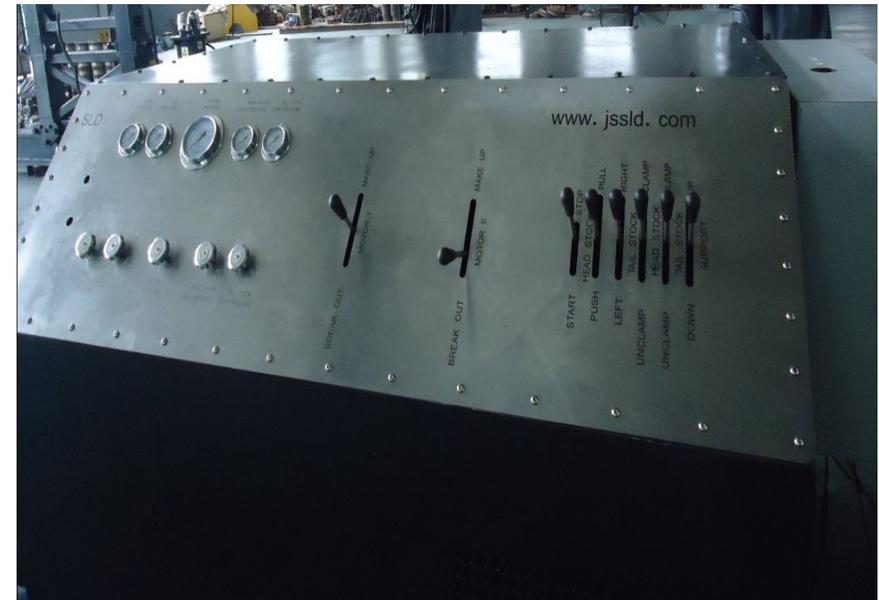
--Head and tailstock Beam Extension

Achieve any length as required

--Hydraulic support stands

--Hydraulic Push/Pull Assembly

A 48" stroke push/pull cylinder capable of 39,000ft-lbs pushing and 22,500ft-lbs pulling



ERA - SLD Continuous Rotation Make/Break Unit Selections

Technical Specification:

Model Number	SLD3 1/2"-15	SLD7 5/8"-25	SLD9 5/8"-40	SLD13 3/8"-55	SLD10"-70
Diameter Capacity-in	2 3/8" - 3 1/2"	2 3/8" - 7 5/8"	2 3/8" - 9 5/8"	2 3/8" - 13 3/8"	2 3/8" - 10"
Low gear Torque	15KN.m(10,725ft-lbs)	25KN.m(17,875ft-lbs)	40KN.m(28,600ft-lbs)	55KN.m(39,320ft-lbs)	70KN.m(50,000ft-lbs)
High gear Torque	7KN.m(5,005ft-lbs)	12KN.m(8,580ft-lbs)	20KN.m(14,300ft-lbs)	28KN.m(14,300ft-lbs)	14KN.m(10,000ft-lbs)
Low gear Speed	11rpm	10rpm	8rpm	6rpm	3-8rpm
High gear Speed	50rpm	30rpm	16rpm	12rpm	8-12rpm
Oil supply	80-120L/min	80-120L/min	80-120L/min	80-120L/min	80-120L/min
System Pressure	12Mpa	16Mpa	16Mpa	16Mpa	16Mpa
Base Unit Dimension(L×W×H)	3000*1200*1200mm	3000*1200*1500mm	3000*1140*1850mm	3000*1140*1930mm	3000*1140*1900mm
Base Unit Weight	3000KG	3300KG	4000KG	5000KG	4200KG
Console Dimension(L×W×H)	1500*1200*1200mm	3000*970*1200mm	1500*1200*1200mm	1500*1200*1200mm	1500*1200*1200mm
Model Number	SLD20"-70	SLD13 3/8"-70	SLD18"-140	SLD18"-265	SLD24"-300
Diameter Capacity-in	2 3/8" - 20"	2 3/8" - 13 3/8"	2 3/8" - 18"	2 3/8" - 18"	2 3/8" - 24"
Low gear Torque	70KN.m(50,000ft-lbs)	70KN.m(50,000ft-lbs)	140KN.m (100,600ft-lbs)	265KN.m (190,000ft-lbs)	300KN.m (214,500ft-lbs)
High gear Torque	35KN.m(25,000ft-lbs)	14KN.m(10,000ft-lbs)	20KN.m(14,300ft-lbs)	6KN.m(4,000ft-lbs)	0.7KN.m(500ft-lbs)
Low gear Speed	4rpm	4rpm	3-8rpm	3-8rpm	2-5rpm
High gear Speed	10rpm	10rpm	8-12rpm	8-12rpm	5-10rpm
Oil supply	80-120L/min	80-120L/min	80-120L/min	80-120L/min	80-120L/min
System Pressure	16Mpa	16Mpa	16Mpa	16Mpa	16Mpa
Base Unit Dimension(L×W×H)	4000*1400*2480mm	3000*1250*2100mm	3000*1400*1600mm	3000*1400*2200mm	3000*1400*2300mm
Base Unit Weight	6000KG	5000KG	5200KG	5600KG	7000KG
Console Dimension(L×W×H)	1500*1200*1200mm	1500*1200*1200mm	1500*1200*1200mm	1500*1200*1200mm	1500*1200*1200mm

Project in Schlumberger

