

Consolidation of Artificial Intelligence Equipment



捷仵機械有限公司
JIELE machinery co., Ltd.

HIGH PERFORMANCE BOLT FORMER

高效率 螺絲成型機

INTEGRATION OF ARTIFICIAL INTELLIGENCE AI EQUIPMENT

AUTOMATION EQUIPMENT DEVELOPMENT MANUFACTURER

JIELE'S ADVANTAGE

1. High Speed Former/Header-50-100% speed faster.
2. Machine Stability-Increase tooling life double.
3. High Precision-Control quality under high-speed operating.
4. Industrial 4.0 Smart Production-Customized automation for production line.
5. Monitoring and Operation Control-Machine connected with mobile, predict main structure health and components' life.

Mechanism Life Monitoring System



Website



YOUTUBE



Cloud Connection Monitoring System



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High Performance Bolt Former Specification

MODEL SPECIFICATION	HS-10B		HS-13B		HS-17B		HS-19B		
FORGING STATION	4	4	5	4	5	4	5	4	5
PRODUCTS SIZE	(M6)		(M8)		(M10)		(M12)		
MAX.L.(mm)	50	105	75	125	125				
MIX.L.(mm)	12	12	14	20	20				
(500N/mm) CUT-OFF DIA MAX(mm)	8	10	10	13	17	15	18		
CUT-OFF DIA MAX(mm)	70	130	110	160	165				
KICK-OUT LENGTH MAX(mm)	60	120	90	135	145				
PKO LENGTH MAX(mm)	12	14	20	25	25				
CUT-OFF QUILL(DXL)(mm)	28X46		35X56		40X66		46X80		
MAIN DIE HOLE(DXL)(mm)	50X65	50X135	60X105	80X165	95X165				
DIES PITCH(mm)	60		87		93		114		
PUNCH HOLE(DXL)(mm)	40X77		45X110		50X111		60X120		
RAM STROKE(mm)	120	180	150	220	240				
FORGING POWER(ton)	30	40	50	50	70	75	110	100	130
MAX.OUTPUT (pcs/minute)	380	280	250	350	230	260	235	235	200
MAIN MOTOR(hp)	25	30	40	30	40	40	60	60	75

- *We reserve the right to change the designs& specifications without notice.
- *Production capacity depends on applicable products, material, thnile strength of the wire.
- *The kick-out stroke in bracket shows the max length of the product allowen for rotational transfer.

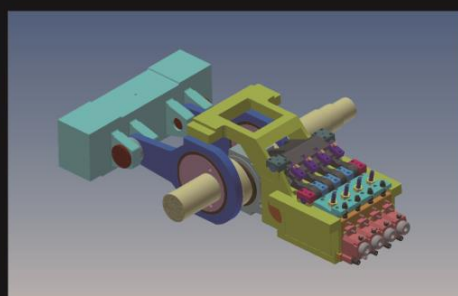
Two Die Two Blow Bolt Former Specification

MODEL SPECIFICATION	HS-10B		HS-13B		HS-17B	
FORGING STATION	2		2		2	
PRODUCTS SIZE	(M6)		(M8)		(M10)	
MAXL.(mm)	50	105	155	205	255	
MDL.(mm)	12	30	40	50	50	
(500N/mm) CUT-OFF DIA MAX(mm)	8		10		12	
CUT-OFF LENGTH MAX(mm)	70	130	180	240	290	
KICK-OUT LENGTH MAX(mm)	60	120	175	215	265	
PK.O LENGTH MAX(mm)	12		16		18	
CUT-OFF QUILL(DXL)(mm)	28X46		35X56		40X66	
MAIN DIE HOLE(DXL)(mm)	50X65	50X135	60X200	60X250	80X295	
DIES PITCH(mm)	60		87		93	
PUNCH HOLE(DXL)(mm)	40X77		45X110		50X111	
RAM STROKE(mm)	120	180	230	360	430	
FORGING POWER (ton)	15	25	30	40	60	
MAX.OUTPUT (pcs/minute)	350	250	200	180	150	
MAIN MOTOR(hp)	15	15	20	25	40	

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- *Production capacity depends on applicable products, material, thnile strength of the wire.
- *The kick-out stroke in bracket shows the max length of the product allowen for rotational transfer.



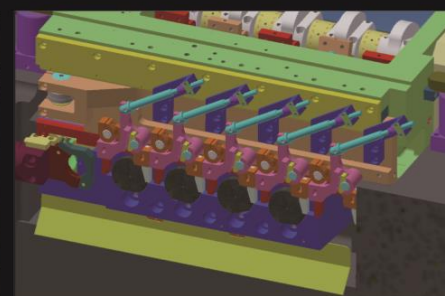
The whole machine equipment is easy to operate and the clip tableSlide drive moved to cutter side.
a. Improve device stability
b. Operational convenience for personnel



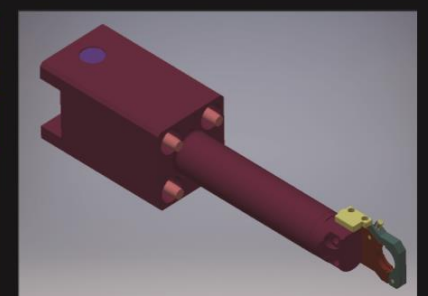
Inner double track balance block stabilization mechanism
a. The crankshaft and parts achieve self-balance. Counteract the vibration generated during operation and compressionPower reduces wear and increase parts life life, the accuracy remains unchanged during high-speed production
2. Effectively reduce the side volume of the machine



Design of double output production material port
Avoid mixing with waste during production condition



Clip table design
1. Lightweight fixture skateboard aluminum alloy design
2. A set of clamp mechanism is aided to the fixture table, and the product output can be stably dropped to avoid collision avoidance



Cutter design optimization
Cutter mechanism-the cutter spindle is changed to fourThe angle type overcomes the shaking of the cutter head and causes the embryo The material is unstable, the cut surface of the blank is flat and does not need to be do the whole head again