

Pocket spring machine

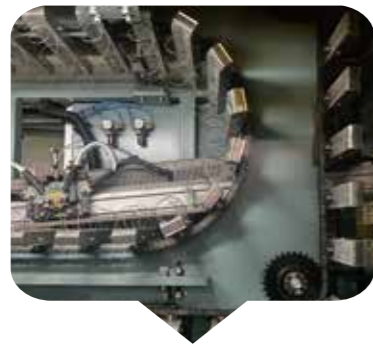
LR-PS-UMS
LR-PS-UMD

高弹力袋装弹簧生产机



专利产品
Patented Product

弹簧预压缩度超过100%,使床网更低成本,更轻量化
Spring pre-compression ratio exceeds 100%
Lower cost and lighter weight for the spring unit



专利超高弹簧预压技术
Patented ultra-high spring pre-compression technology

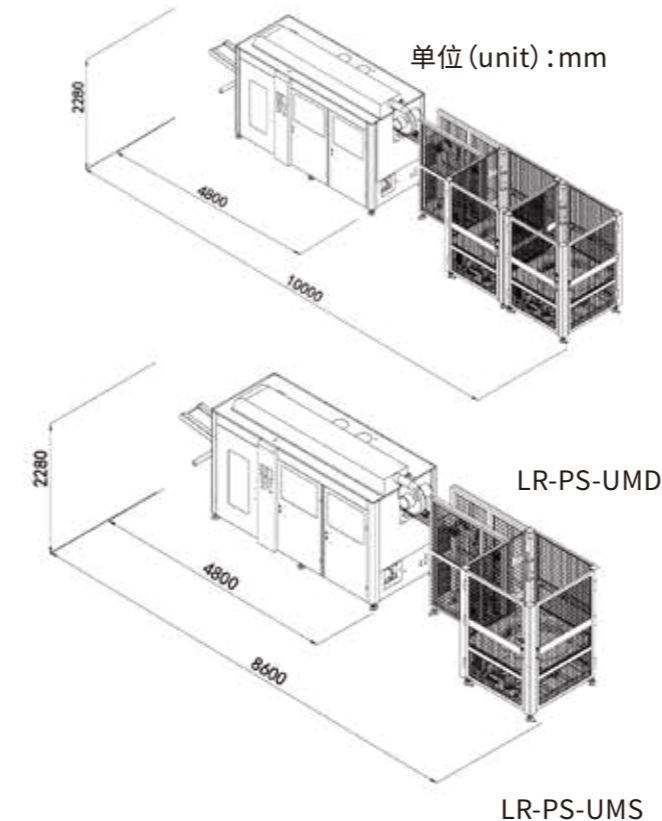


相同的钢丝线径,更强的弹簧支撑力
达到减低材料及运输成本的目的
Same wire diameter, stronger spring support
to reduce the cost of materials and transportation



独创的高压缩比技术,高压缩、高回弹
用更小的成本达到同样的硬度产品
Unique high compression ratio with high elasticity
achieve the same hardness product at a lower cost

性能 character	型号 model	LR-PS-UMS	LR-PS-UMD
生产效率		160只/分钟	
Production capacity		160 springs/min.	
绕簧机		数控绕簧机头	
Coiling head		Single wire servo coiling head	
控制原理		总线控制	
Working principle		Servo control	
弹簧形状		标配机型:直筒型和鼓型	
Spring shape		Standard versions: barrel and cylindrical	
气源需求/Air consumption		0.23m ³ /min.	
工作气压/Air pressure		0.6-0.7 mpa	
总功率/Power consumption in total		40KW	43KW
输入电源需求	电压/Voltage	3AC 380V	
	频率/Frequency	50/60 Hz	
Power requirements	输入电流/Input current	60A	65A
	输入电缆/Cable section	3*16mm ² +2*10mm ²	
工作温度/Working temperature		+5°C~+35°C	
重量/Weight		约/Approx.4000Kg	约/Approx.5000Kg



耗材参数/Consumption Material Data		
无纺布 /Non-woven fabric		
布料厚度/Fabric density	70~90/m ²	
布料宽度/Fabric width	370-680mm	
布辊内径/Inner dia. of fabric roll	75mm	
布辊外径/Outer dia. of fabric roll	最大/Max.1000mm	
钢丝/Steel wire		
钢丝直径/Wire diameter	1.6-2.1mm	
钢丝卷内径/Inner dia. of wire roll	最小/Min.320mm	
钢丝卷外径/Outer dia. of wire roll	最大/Max.1000mm	
钢丝卷重量/Acceptable weight of wire roll	最大/Max.1000Kg	
适用弹簧规格(毫米) Applicable spring specifications(mm)		
弹簧入袋前高度/Original height of spring	160-360	
最大压缩比/Maximum compression ratio	66%	
钢丝直径(W) Wire Diameter	弹簧中腰直径(D) Spring Waist Diameter	弹簧入袋后高度(H) Pocket Spring Height
Φ 1.6~2.1	Φ 55~75	120~250

节省成本案例说明/Case illustration of cost saving	
线径1.7mm的高压缩比袋装弹簧 High compression spring in 1.7mm	线径1.9mm的常规袋装弹簧 Conventional spring in 1.9mm
单个弹簧重量/ Single spring weight 19.73g	单个弹簧重量/ Single spring weight 24.34g
压力值均为/ The pressure value both are 6.51kg(0.651MPa)	
每个弹簧节约的重量 / The weight saved per spring 24-19>4g	
床网尺寸/ The size of spring unit 2000x1500mm	
床网排列及弹簧个数/ Spring count 32x23=736 springs	
每张床网节约的钢丝重量/ The wire weight saved per spring unit 4x736=2944g≈3kg	
每张床网节约的成本/ The cost saved per spring unit ¥6.5/kgx3kg=¥19.5 // \$0.93/kgx3kg=\$2.79	
按每天500张床网的产能可节约/Total saving per day ¥19.5x500=¥9750 // \$2.79x500=\$1395	