

輪殼夾頭系列 LMC WHEEL CHUCKS SERIES

泉發車刀礦油公司 網頁專用

53,54

標準及輕型系列

STANDARD AND
LIGHTWEIGHT
SERIES



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精實生產系列

LEAN
PRODUCTION
SERIES



56

夾頭制動器/油壓缸

CHUCK
ACTUATORS



代理商品

LMC Workholding

 (Made in USA)
美國製造



夾頭制動器 / 油壓缸

LMC Workholding 提供兩種為輪轂夾頭特別設計的夾頭制動器，這兩種油壓缸具有理想的油壓系統壓力裝置，讓夾頭以最快的速度夾持和放鬆，而較短、較輕的設計有利於車床加速和減速，改善機器性能。

2R 120 為單動油壓缸，適用於配合中實車床心軸或彈簧片，以求輪圈中心
RNW 為雙汽缸油壓缸，適合起動套筒夾頭或小尺寸三爪夾頭，可求輪圈中心。

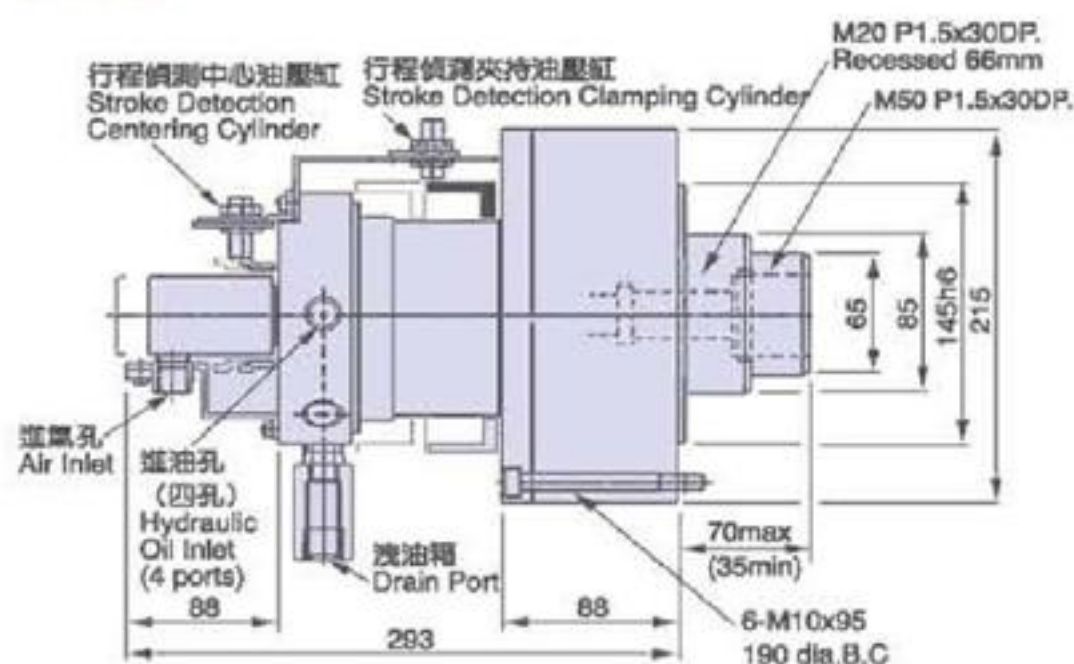
LMC Workholding offers two chuck actuators specifically designed for wheel chuck applications like yours. These hydraulic cylinders offer optimum hydraulic system pressure settings for the fastest clamping/unclamping action available.

And their shorter lengths and lighter weights enhance lathe acceleration and deceleration while improving machine dynamics.

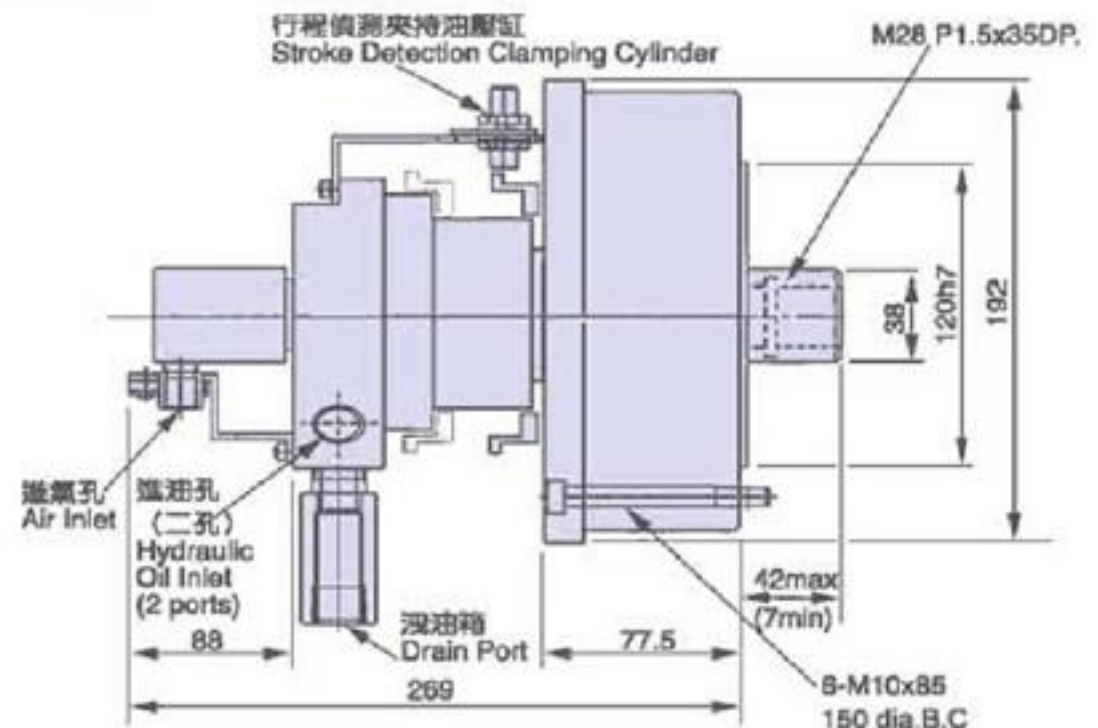
Model 2R 120 is a single-motion cylinder ideal for applications that use solid mandrels or spring rings for wheel centering. RNW is a dual-function cylinder that is ideal for applications that actuate a collet or a small three-jaw chuck for wheel centering.

尺寸圖 > Dimensions

RNW 40



2R 120



規格表 > Specifications

型號 Model Number	長度 Length (mm)	行程時間 Stroke Time (sec)	夾持油壓缸 Clamping Cylinder		
			口徑 x 行程 Bore x Stroke (mm)	活塞面積 Piston Area (in ² / cm ²)	
2R-120	269	1.6	120 x 35	15.8 / 102	
RNW 40	293	2.3 (0.4)	146 x 35	17.2 / 111	
型號 Model Number	中心油壓缸 Centering Cylinder		最大推力 Max. oper. Pressure (b / in ² - kgf / cm ²)	最高轉速 RPM's (Max)	油壓缸淨重 Cylinder Weight (lbs)
	口徑 x 行程 Bore x Stroke (mm)	活塞面積 Piston Area (in ² / cm ²)			
2R-120	n / a	n / a	568 / 40	5000	33
RNW 40	50x12	1.2 / 8	568 / 40	4000	50

輪轂夾頭



精實生產系列 (申請專利中)

此系列適用於多種少量、製造特殊輪圈的維修市場生產者和 OEM 供應商，其特性為能在幾秒內調整凸輪手臂夾持直徑。每一個凸輪手臂掌控15~20吋之內的六種尺寸，使用步驟為：

1. 嵌入板手
2. 用曲柄啓動凸輪手臂到所需直徑
3. 移除板手

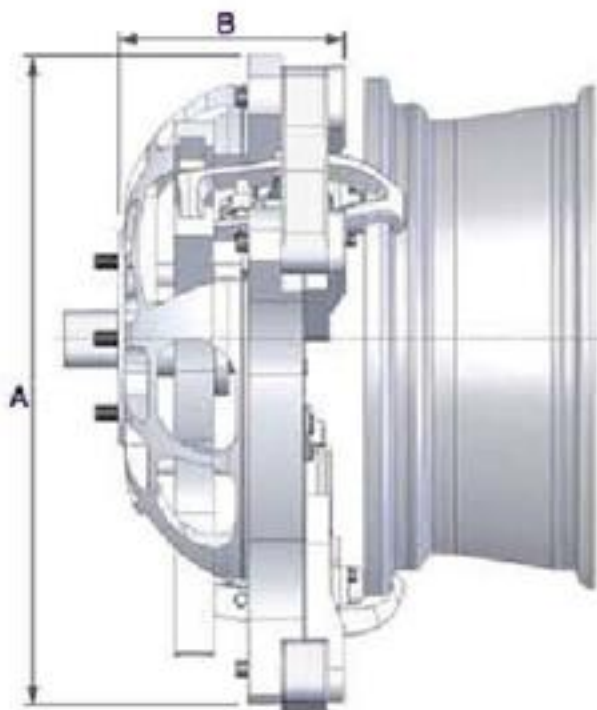
LPS系列適用於汽車和小型卡車輪圈的多樣化特性。能滿足未加工鑄件和更新設計的變化，亦即首件的加工鑄件也適用本系列產品。

Adjusting a cam arm from one wheel diameter to another in seconds makes this chuck ideal for aftermarket wheel manufacturers and OEM suppliers who handle short-run specialty wheels. Each cam arm handles 6 ranges within 15" to 20" wheel size capacity. One: Insert wrench. Two: Crank cam arms to desired diameter. Three: Remove wrench.

The LPS Series for automobiles and light trucks allows for variations in raw castings as well as for new "fashion" wheel designs where material is added to the raw casting for first operation holding.

尺寸圖 > Dimensions

應用範例 > Operation Example



規格表 > Specifications

型號 Model Number	輪圈外徑範圍 Capacity Wheel Diameter	最高轉速 RPM's (max)	拉桿拉力 Drawbar Pull (lbs)	拉桿行程 Drawbar Stroke (in/mm)
LPS-1520	15" to 20"	2800	7700	1.38 / 35
型號 Model Number	主軸鼻端 Spindle Mount	夾盤淨重 Chuck Weight (lbs)	A尺寸 A Dia. (in/mm)	B尺寸 B Dia. (in/mm)
LPS-1520	A2-8	330	29.45 / 748.0	7.32 / 186.0

輪殼夾頭



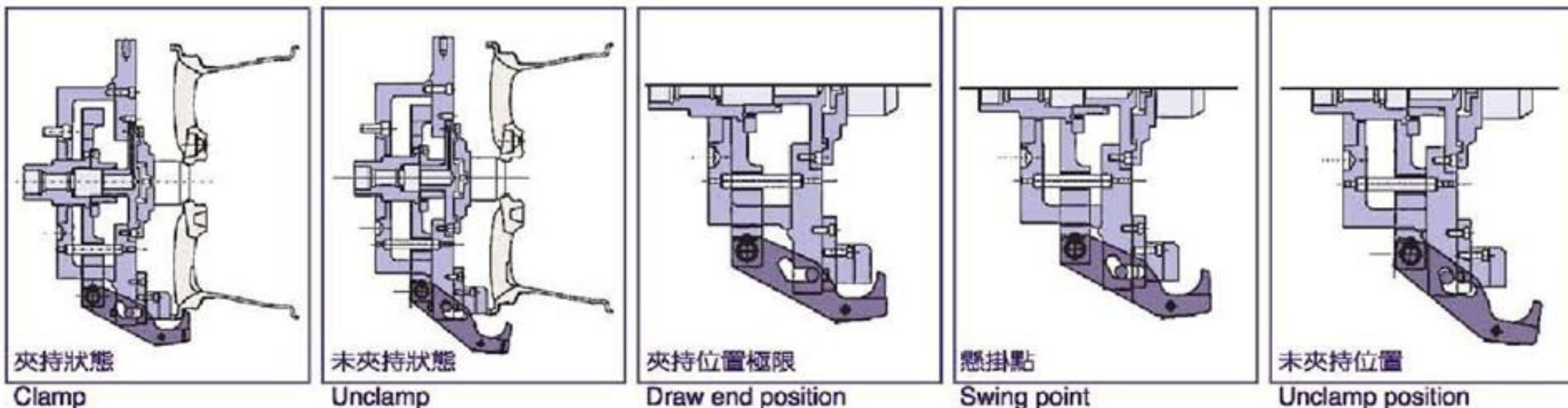
您必須知道的輪殼夾頭品牌—適用於客車、大小型卡車、巴士和機車

LMC Workholding在供應包括客車、小型卡車、大卡車和巴士輪圈製造商的夾持工具市場快速成為領導者。OKUMA 輪圈機床供應全球大部分製造輪圈零件的機械，而LMC 是其合作夥伴，整個團隊包括 Okuma、LMC、Chiron 和Fanuc Robotics。

LMC研發出可以快速替換並且輕盈的新式輪殼夾頭科技，我們的工程師在輪殼夾頭、油壓缸和油壓驅動的領域都有多年經驗，我們也提供和輪殼夾頭搭配使用的油壓缸。信賴LMC，滿足您所有輪胎製造的需求。

LMC Workholding is rapidly becoming the marketleader in workholding for the manufacture of wheels for passenger cars, light trucks, trucks and buses. LMC is a partner in the Okuma Wheel Team which provides the bulk of wheel cell equipment worldwide. Okuma, LMC, Chiron and Fanuc Robotics make up the Wheel Team.

LMC has engineered new wheel chuck technologies to include quick change and lightweight models. Our engineering staff offers years of wheel chuck design and implementation experience. Years of hydraulic actuator and power chuck experience too. LMC also offers matching wheel chuck cylinders. Rely on LMC Workholding for your wheel production needs.



輪圈直徑 Wheel Diameter

Small	夾盤直徑 Chuck Diameter			Large
25"				
24"				
23"				
22"				
21"				
20"	WTI-310	US-1420	LPS	WTI-322
19"	客車、小型卡車	客車、小型卡車	客車、小型卡車	小型卡車、卡車、
18"	(Passenger Car, Light Truck)	(Passenger Car, Light Truck)	(Passenger Car, Light Truck)	巴士
17"	2800rpm	2800rpm	2800rpm	(Light Truck, Truck, Bus)
16"	Min.14" Max.20.5"	Min.14" Max.20.5"	Min.15" Max.20.5"	2200rpm
15"				Min.15" Max.24.5"
14"				US-1524
13"				小型卡車、卡車、
12"				巴士
11"				(Light Truck, Truck, Bus)
10"				2200rpm
				Min.15" Max.24.5"

輪殼夾頭



標準和輕型系列

本系列共有四種型號滿足各類輪圈製造需求，WTI 適用於製造汽車和小型卡車的輪圈，外徑範圍149到209mm，卡車和公車輪圈最大範圍可到24.59吋。請聯絡本公司取得最理想的夾持方案！輕型化的US系列夾頭可延長主軸壽命，同時加速加工週期時間。選配的零件偵測系統由三個空氣活化活塞組成，其作用為感應工件是否安裝正確，作為自動化機器手臂加工應用的基本元件。

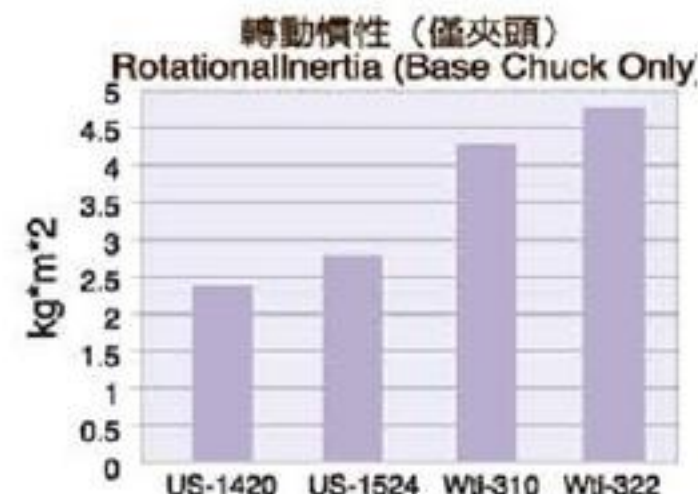
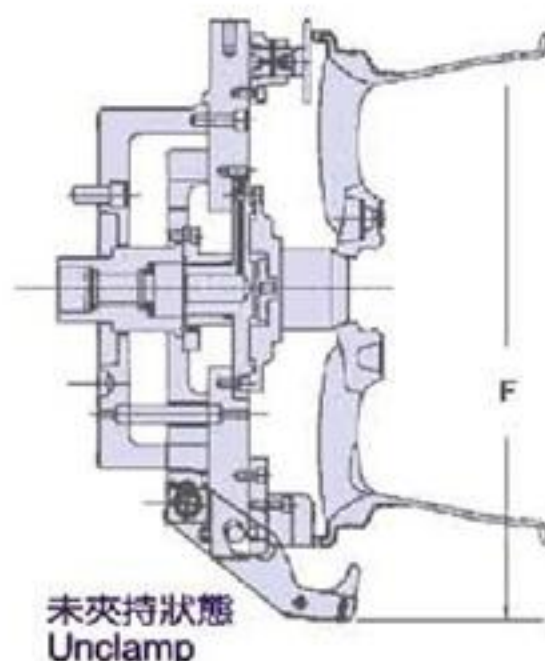
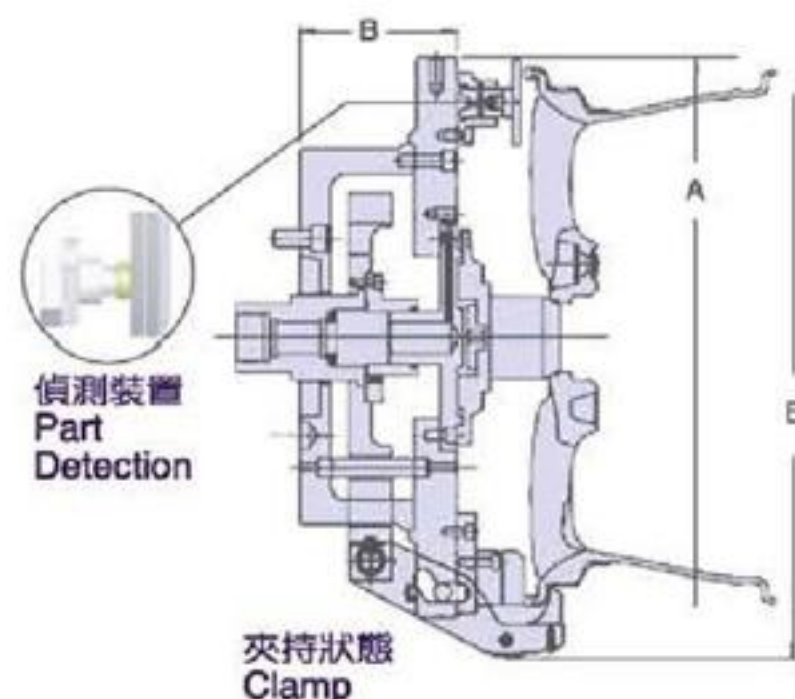
This chuck, available in four models, does it all. The WTI fits automobile and light truck wheels 149 to 209, truck and bus wheels up to 24.59. Contact LMC Workholding for the optimum clamping solution. US Series chucks are lightweight for increased spindle life and faster cycle times.

Optional part detection system, consisting of three air-activated plungers, senses whether or not the workpiece is properly seated, an essential component for any automatic/robot loaded application.

新一代凸輪手臂設計



尺寸圖 > Dimensions



規格表 > Specifications

型號 Model Number	輪圈外徑範圍 Capacity Wheel Diameter		最高轉速 RPM's (max)	拉桿拉力 Drawbar Pull (lbs)	拉桿行程 Drawbar Stroke (in/mm)	主軸鼻端 Spindle Mount	夾盤重量 Chuck Weight (lbs)	A尺寸 A Dia. (in/mm)	B尺寸 B Dia. (in/mm)	
WTI-310/US-1420	14 to 20		2800	7700	1.38/35	A2-8	264/160	21.50/546.2	5.90/149.7	
WTI-322/US-1524	15 to 24.5		2200	7700	1.38/35	A2-11	410/240	26.00/660.0	7.85/199.5	
型號 Model Number	SS-3/4EX		S-3/4EX		L-3/4EX		XL-3/4EX		Z-3/4EX*	
	E	F	E	F	E	F	E	F	E	F
WTI-310/US-1420	21.5/547	22.4/570	21.5/547	23.0/584	22.0/559	24.1/611	23.1/587	25.0/634	24.3/618	26.2/665
WTI-322/US-1524	26.0/660	26.5/673	26.0/660	27.5/698	26.6/675	28.5/724	27.6/702	29.5/749	28.6/727	30.5/774