

# 621100 Portable Pneumatic Crimp Tool for Miniature Circular Contacts



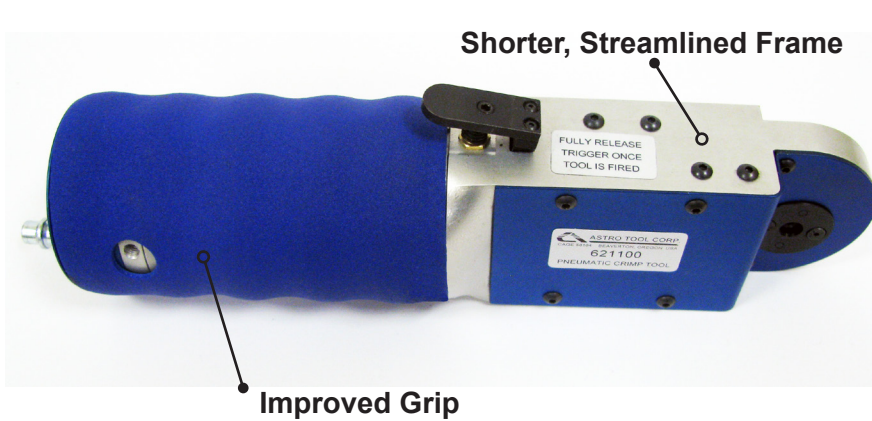
- Direct-Drive System for Fluid Operation
- Improved Indenter Alignment
- Shorter, Streamlined Frame
- Balanced Weight Distribution
- Improved Grip
- More Accurate Cycle Control
- Easier Selector Movement
- Suspension Mount capability

The re-engineered **621100** 8-step adjustable manual-feed, pneumatic crimping tool is a fast, versatile, four-indenter tool for crimping MIL-STD and proprietary circular contacts. It is designed to be a pneumatic version to the M22520/2-01 hand tool and is compatible with all of the M22520/2 positioners for crimping contact sizes 20-28 and wire sizes 20-32 AWG.

Externally, the tool features a streamlined designed with a better balanced weight distribution and contoured grip for maximum comfort. The part numbers for the new foot pedal and bench mount assemblies are 621295 and 621296, respectively, and the new design also offers suspension mounting capabilities. The new tool design measures at a reduced length of 9.45 inches and weighs approximately 2.5 lbs.

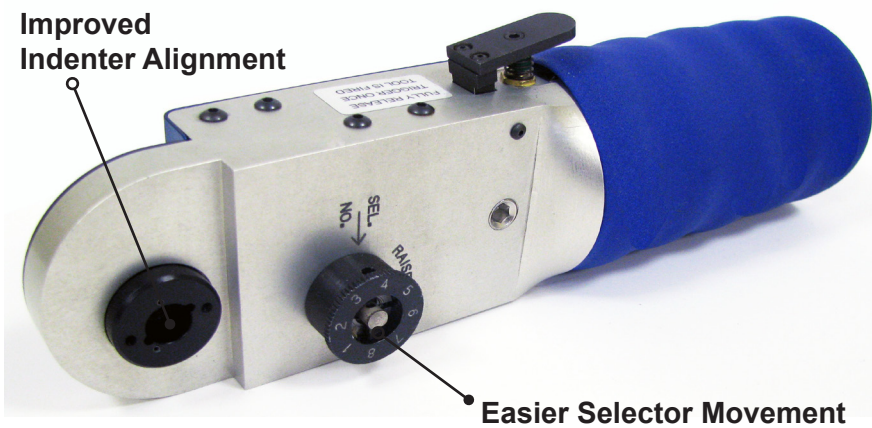
Internally, the new direct-drive system replaces the traditional cable and pulley system, which was susceptible to tool jamming and incomplete crimp cycles. A full crimp cycle is now achieved by pneumatic logic, eliminating the mechanical ratchet mechanism. This pneumatic logic creates quality crimps and offers improved repeatability that is not dependent on the operator. The tightened tolerances in the indenter housing also create better tip alignment for the **621100** ( $\pm 0.001$ , compared to  $\pm 0.002$  of old design). In addition, the traditional stepped-block gaging mechanism has been replaced by a gaging disk that enables easy, 360-degree selector knob adjustment, with precision gaging.

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This precision gaging means high output with less downtime, making the **621100** ideal for assembly line operation. Its compact size and light weight allows it to be used as easily as a hand tool, but in a high production setting. The hand trigger is designed for ease of use and no additional operator training is necessary. It operates at 80-120 PSI and no longer requires lubrication in the air supply.

We always recommend the periodic gaging of our tools, to ensure accurate calibration. The 615716 (M22520/3-01) gage is recommended for this tool. Also available is the ATK6003 gage kit (for M22520/2-01 tool) with gage pin assemblies for each selector setting.



Positioner Part Numbers			
MS #.	ASTRO TOOL #.	DESCRIP	NSN
--	621100	Tool Frame	--
M22520/2-02	615718	Positioner	5120-00-165-3913
M22520/2-03	615719	Positioner	5120-00-016-7657
M22520/2-04	615720	Positioner	5120-00-017-3640
M22520/2-05	615721	Positioner	5120-00-017-3742
M22520/2-06	615722	Positioner	5120-00-017-3809
M22520/2-07	615723	Positioner	5120-00-017-3827
M22520/2-08	615724	Positioner	5120-00-017-3921
M22520/2-09	615725	Positioner	5120-00-017-3927
M22520/2-10	615726	Positioner	5120-00-017-3932
M22520/2-11	615727	Positioner	5120-00-017-3934
M22520/2-12	615729	Positioner	5120-00-017-3935
M22520/2-13	616031	Positioner	5120-00-132-6939
M22520/2-14	616032	Positioner	5120-00-132-6962
M22520/2-15	616033	Positioner	5120-00-132-6978
M22520/2-16	616034	Positioner	5120-00-132-7868
M22520/2-17	616035	Positioner	5120-00-132-7893
M22520/2-18	616036	Positioner	5120-00-132-7894
M22520/2-19	616037	Positioner	5120-00-132-7872
M22520/2-20	616038	Positioner	5120-00-132-9004
M22520/2-21	616039	Positioner	5120-00-133-0029
M22520/2-22	615448	Positioner	5120-01-106-3737
M22520/2-23	616191	Positioner	5120-01-117-3905
M22520/2-24	616260	Positioner	5120-00-348-7531
M22520/2-25	616411	Positioner	5120-00-132-6932
M22520/2-26	616412	Positioner	5120-00-133-3263
M22520/2-27	616413	Positioner	--
M22520/2-28	616414	Positioner	5120-00-124-3678
M22520/2-29	616415	Positioner	5120-00-124-3682
M22520/2-30	616416	Positioner	5120-01-117-3905
M22520/2-31	616417	Positioner	--
M22520/2-32	620261	Positioner	--
M22520/2-33	615257	Positioner	--
M22520/2-34	620499	Positioner	--
M22520/2-35	620517	Positioner	--
M22520/2-36	616429	Positioner	--