

UniCam Tool History

AEN 130, Revision 1

The purpose of this application engineering note is to provide information as to the history of the UniCam tool.

Camlite

The Camlite® tool is the predecessor of the now UniCam® tool. The Camlite was similar to the UniCam in that it utilized an internal mechanical splice. However, the method of fiber retention for the Camlite was different for FC/ST and SC connectors. The Camlite tools are shown in Figure 1 below. The FC and ST Camlite connectors used a plunger type mechanism for fiber retention. The T-handle tool and crimp tool in Figure 1 were used to activate the FC and ST connector



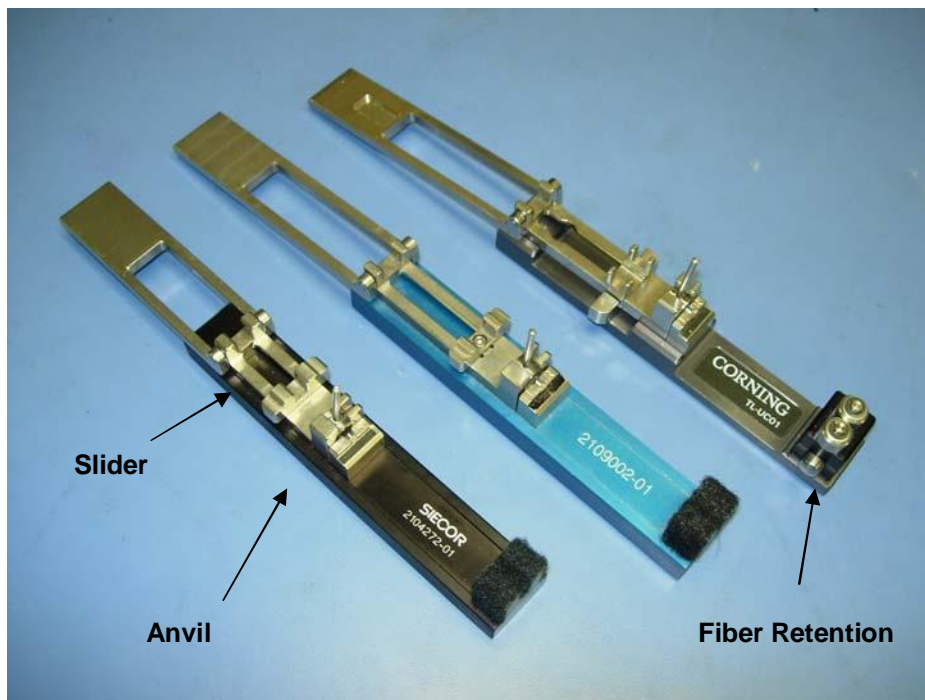
UniCam-Past

The three legacy UniCam tools are shown below. The first tool was a black tool, part # 2104272-01. Initially, this tool was compatible with single fiber UniCams only. Later there

were three versions of the black UniCam tool which were compatible with dual (MT-RJ) and single fiber UniCams. These three models are marked on the anvil to indicate correct fiber polarity: first with a blue dot, then a L(ef) and R(ight), and finally with an A and B.

The next link in the chain was the blue tool, Part# 2109002-01. This tool is CTS compatible and can be used with both single and dual fiber connectors. The blue tool requires the Installer to physically change out the slider to accommodate the CTS adapters when utilizing the CTS system.

UniCam tool part # TL-UC01 is gray in color and is CTS compatible for single and dual fiber connectors. Instead of manually switching the slider for CTS capability, the new tool has a revolving slider built into the tool. Additionally, the new tool has fiber retention cylinders at the end of the tool instead of the felt clamps.



The table below will help with identification of the legacy assembly tool. By identifying the color of the tool and the anvil markings one can determine the functionality of the tool.

Color of the Tool	Anvil Markings	CTS Compatible	Single Fiber Compatible	Dual Fiber Compatible	Connector Production Date
Black	None	No	Yes	No	Before Dec. 15, 2006
Black	Blue Dot	No	Yes	Yes	Before Dec. 15, 2006
Black	A and B	Yes	Yes	Yes	Before Dec. 15, 2006
Black	L and R	Yes	Yes	Yes	Before Dec. 15, 2006
Blue	L and R	Yes	Yes	Yes	All UniCams
Gray	L and R	Yes	Yes	Yes	All UniCams

Table 1: CTS compatible Chart

The latest UniCam tool is the UniCam Pretium Tool Kit -TKT-UNICAM-PFC (shown below in Figure 3). It includes a handheld installation tool with a visual confirmation of a successful termination. It can be used with multimode or single mode LC, SC, ST compatible UniCam Connectors (Standard and High Performance). For further information and accessories visit http://www.corning.com/cablesystems/nafta/en/markets_applications/lanscape/unicam_products.aspx



Figure 3. TKT-UNICAM-PFC after September 2011



Figure 4. TKT-UNICAM-PFC before September 2011