

New Gun Barrel Single-Point Cut Rifling Machine

MARSHALL, Mo. – October 1, 2017 – The new DeHoff G536-C1 is a CNC machine used to “cut” rifling grooves into gun barrel blanks, and is an alternative to button rifling. Since the cut rifling process creates the rifling groove using a single-point cutter instead of via deformation, it does not induce any additional stresses into the barrel. The G536-C1 is the first fully CNC programmable single-point cut rifling machine commercially available for sale in the U.S.A., and will be on display at IMTS 2016 in Booth #S-8376.

The G536-C1 can perform cut rifling on barrels ranging from 22 to 50 caliber and from 4 to 30 inches (102-762 mm) in length. Twist rates range from 1 rotation every 4” (102 mm) to 1 rotation every 60” (1524 mm). The machine provides the ability to cut rifle at variable twist rates along the length of the barrel, also known as “gain twist”. Other programmable operations include traverse rate, depth of cut, and number of grooves.

The machine features a durable, heavy-duty design that incorporates a cast iron drill head base with hardened and ground steel box ways, plus hand-scraped and fitted saddle, gibs, and straps (versus linear guide ways and milled surfaces). This results in superior vibration damping, extended tool life, and improved accuracy.

DeHoff rifling machines are built-to-order by Kays Engineering, Inc. in their Marshall, Missouri facility. To learn more please visit www.kays-dehoff.com/dehoff/gun-barrel.

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