



KOMA PRECISION
THE KEY TO PERFORMANCE
www.komaprecision.com

KOMA

TOOL PRESETTER

Selection Guide

2022



WE FOCUS ON BEING THE BEST—
that's why leading companies choose Koma.

*WE ARE THE EXCLUSIVE NORTH AMERICAN IMPORTER,
NATIONAL DISTRIBUTOR, AND SERVICE CENTER
FOR OUR OWN LINE OF ELITE TOOL PRESETTERS.*

LEADER
plus

LEADER plus CONSTRUCTION

Thermally stable steel structure
Tempered steel, high precision sleeve with calibration spheres
Dimensions= 44: 1,080mm L x 626mm D x 950mm H
45: 1,080mm L x 626mm D x 1,050mm H
46: 1,080mm L x 626mm D x 1,150mm H
Weight= 44: 136Kg (299 lbs.) / 45: 142Kg (313 lbs.) / 46: 148Kg (326 lbs.)

AXIS MOVEMENT

X Axis (Diameter) = 400mm / 15.75in
Z Axis = 44: 400mm (15.7 in.) / 45: 500mm (19.6 in.) / 46: 600mm (23.6 in.)
Resolution X & Z Axis - 1 µm
Pneumatic axis lock
ISO 30/40/50 for pneumatic with additional spindles available

SPINDLE

Interchangeable tool sleeve
Tool sleeve rotation brake
Fine micrometric adjustments
Glass optical scales, SP class precision linear guides
Concentricity - 2 µm
Maximum Tool Weight 40kg / 88 lbs.

OPERATING SYSTEM

Vertical Full HD 22" Monitor
CVS, user friendly software
Windows Operating System with data back-up system
Storage of up to 200 machine origins and 40,000 tools
7 port USB hub
1 Network LAN port
Pot Processing with 40 template files

CAPABILITIES

ID Image for each machine origin
Fixed/Mobile Axis
Automatic Radius & Angle Computing Cycle
X&Z Axis Focusing Control Bar
Full Screen Auto Targeting
Real-view tool inspection
Geometric measurement functions
Measure radial and axial runout
CVS Software includes 40 post-processing templates

VISION SYSTEM

HD Camera
40x Magnification
7 x 7 field of view
Cool light LED ring illuminator

OPTIONS

Label Printer
Other connection systems such as Balluff®

FEATURES



HIGH PERFORMANCE

Powerful and easy to use, the Leader Plus Presetter is a sophisticated machine for tool analysis. With many advanced features and the ability to manage your tooling library, the Leader Plus presetter is the ultimate in tool presetting.

ERGONOMICALLY DESIGNED CONTROLS

With the operator in mind, the Leader Plus presetter was designed with an ergonomic micrometric hand wheel allowing for easy fine adjustment of the presetter's optics. A "zero gravity" support column allows smooth, effortless movement of the camera optics in both X and Z. Easy to use interchangeable tool sleeves allows the presetter to be quickly switched to accommodate any type of tooling.

POWERFUL COMPUTING SYSTEM TOOL DATA MANAGEMENT

This powerful new operating system utilizing Windows, features state-of-the-art tool measuring, inspection and data management solutions. Koma presetters increase efficiency, reduce down time and are supported by extensive applications, technical support, and a global service network.

SOFTWARE

Simple and intuitive, the CVS software is easy to use. All functions are easy to find and shown using simple, graphical icons. It's never been easier or faster to set your tooling; create tool lists tool offset files in minutes. The Leader Plus allows up to 200 machine origins and tool lists up to 200 tools. The optional DXF function allows the operator to quickly compare tool profiles or create and export a tool profile. The easy to use post-processing system allows the presetter to communicate with over 40 CNC control types.

VIEWING SYSTEM

Easy to use software combined with a full 22" HD monitor provides the operator with full control. Easily select any of the presetters measuring options with one click, while still viewing the edge of the cutting tool. The telecentric lenses on the HD cameras provide a full field of vision.

SLIDWAYS / OPTICAL SCALES

The Leader Plus is built with dual SP Precision guides and preloaded recirculating bearings mounted to a stabilized steel base ground to 2 microns of planarity. 1-micron glass optical scales are used to ensure the highest accuracy of tool measurements.

LEADER *plus*



UNLOCK YOUR POTENTIAL TODAY!

For Over 40 years Koma Precision Inc. has partnered with Tsudakoma and Alberti, to become the North American leader in machine tool accessories. Both Tsudakoma and Alberti machine tool accessories are built to the highest standards and set the bar for excellence, quality, and performance.

Koma Precision has an installation base of over 30,000 Tsudakoma rotary tables and 25,000 Alberti angle heads and live tools, leading the way with knowledge and experience.

Knowledge and Experience Matter.

Our three facilities totaling 40,000 sq/ft, feature a full machine shop, state-of-the-art inspection and test equipment, and product demonstration showroom. Our Connecticut based headquarters also houses our multi-million-dollar inventory of new products and spare parts.



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