

# HYDRAMAX

A **Winit** Tool Company

# X-PANDER SYSTEM



THE X-PANDER WORKS WITH THE HYDRAMAX WORKHOLDING SYSTEM TO HOLD SMALL PARTS ON THEIR ID.

THE X-PANDER SYSTEM DRAMATICALLY INCREASES PRODUCTION OF SMALL INTERNALLY HELD PARTS, ON MANUAL OR CNC MILLING MACHINES. THE SELF CONTAINED, MODULAR SYSTEM HOLDS 5 PARTS AT A TIME ON THE ID OF EACH PART.

THE VISE IS TIGHTENED AND THE X-PANDER IS MACHINED TO THE SIZE OF YOUR PARTS



THE SOLID JAW OF THE MILLING MACHINE VISE IS REPLACED BY THE X-PANDER JAW THAT IS MACHINED IN PLACE TO HOLD MULTIPLE PARTS. THE SLIDING JAW IS REPLACED WITH THE HYDRAMAX 5ST WHICH USES 5 INDEPENDENTLY ACTING PISTONS JOINED TOGETHER BY A COMMON FLUID FILLED CHANNEL.



THE VISE IS LOOSENED AND THE LOCKING SET SCREWS ARE RELEASED.

THE X-PANDER SYSTEM WORKS TOGETHER WITH THE HYDRAMAX WORKHOLDING JAW TO COMPENSATE FOR ANY VARIATION IN THE SIZE OF THE INDIVIDUAL PARTS. THIS ALLOWS MULTI-PART MACHINING WITHOUT BROKEN CUTTERS, SCRAP PARTS, OR DAMAGED FIXTURES DUE TO ONE OR MORE PARTS NOT BEING HELD SECURELY.

THE PARTS ARE LOADED ONTO THE X-PANDER AND THE VISE IS TIGHTENED. YOUR PARTS ARE READY TO BE MACHINED



THE PATENTED SYSTEM IS FAST AND EASY TO USE SINCE IT HAS NO EXTERNAL HYDRAULIC LINES AND IS TOTALLY SELF CONTAINED

SECOND OPERATION SUCH AS SLOTTING AND DRILLING ARE HANDLED QUICKLY AND EFFICIENTLY SINCE FIVE PARTS ARE HELD FOR EACH MACHINING CYCLE.