

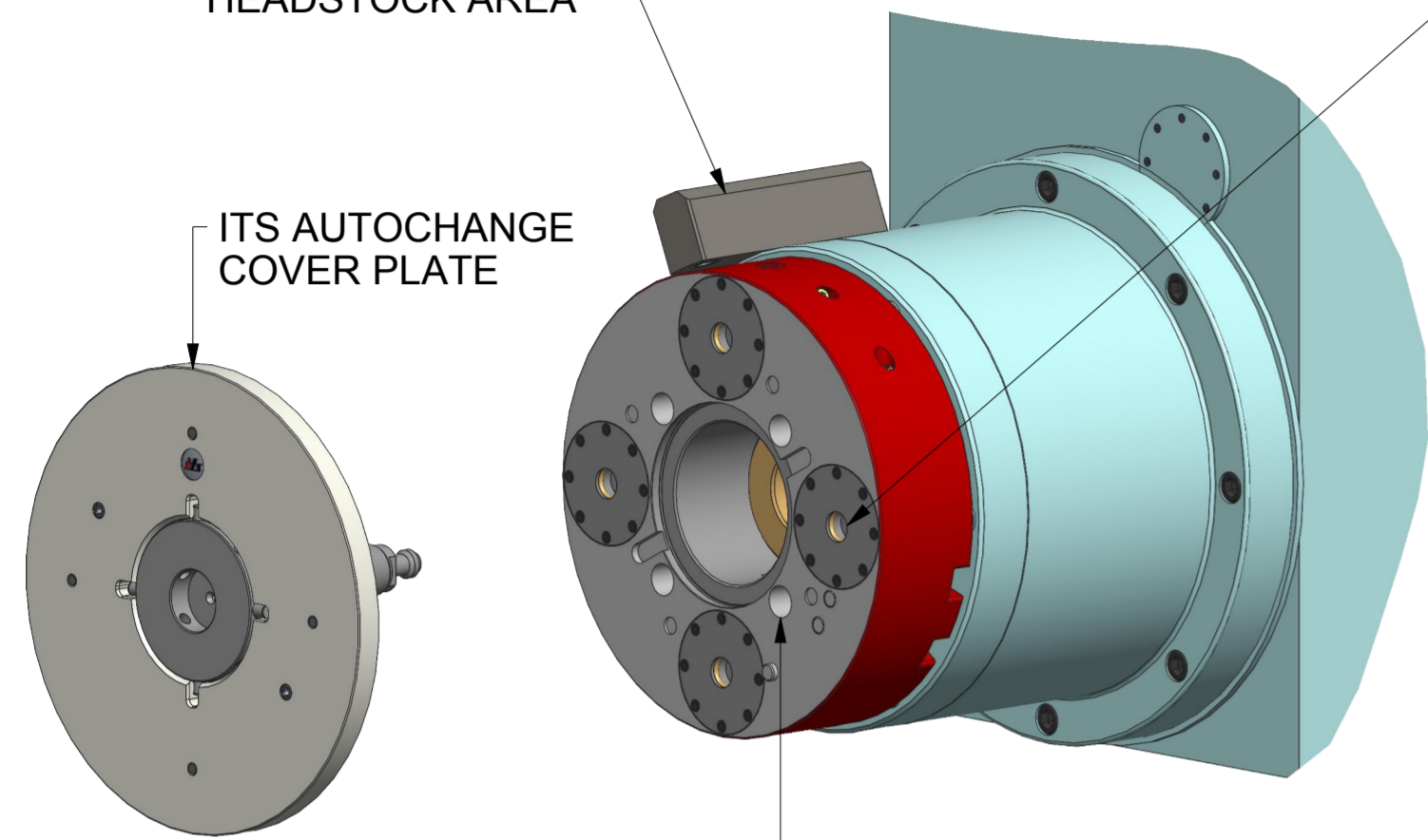
HYDRAULIC ACTUATION UNIT
MOUNTED TO MACHINE
HEADSTOCK AREA

ITS AUTOCHANGE
COVER PLATE

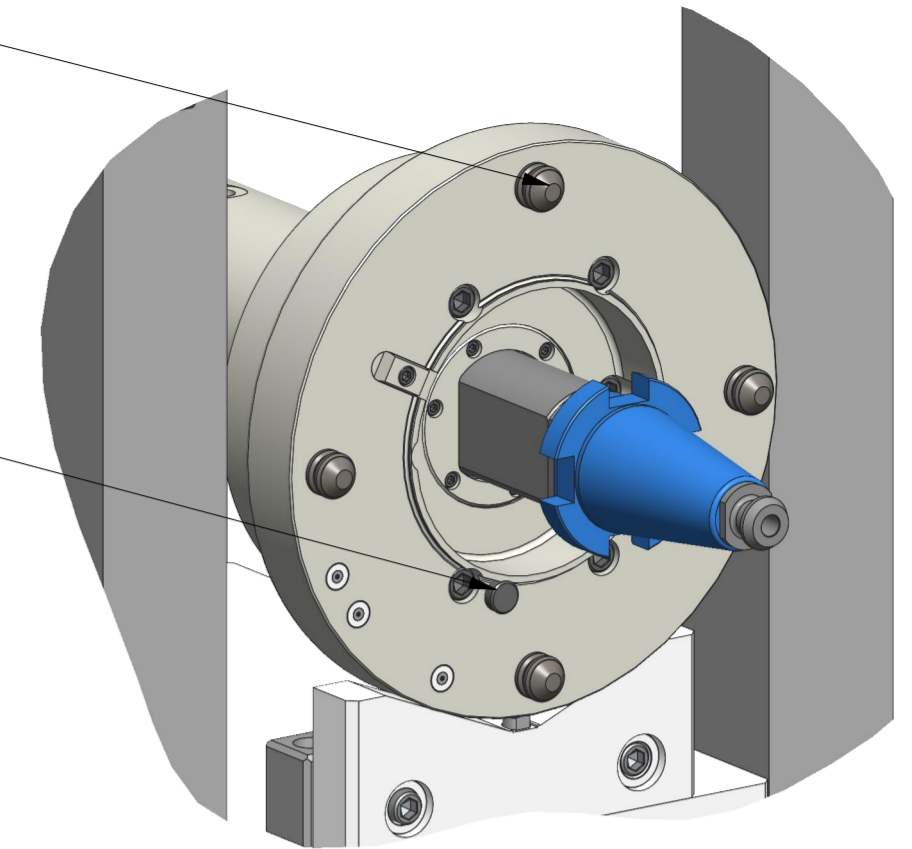
CLAMPING UNITS (ZERO POINT)
4 OFF EQUISPACED
UP TO 55KN CLAMP FORCE PER UNIT
UP TO 220KN TOTAL

TOOL INTERNAL TO EXTERNAL
TOOLCHANGE TIMING VIA
SHOT PIN MECHANISM

RETENTION BOLTS (4 OFF)



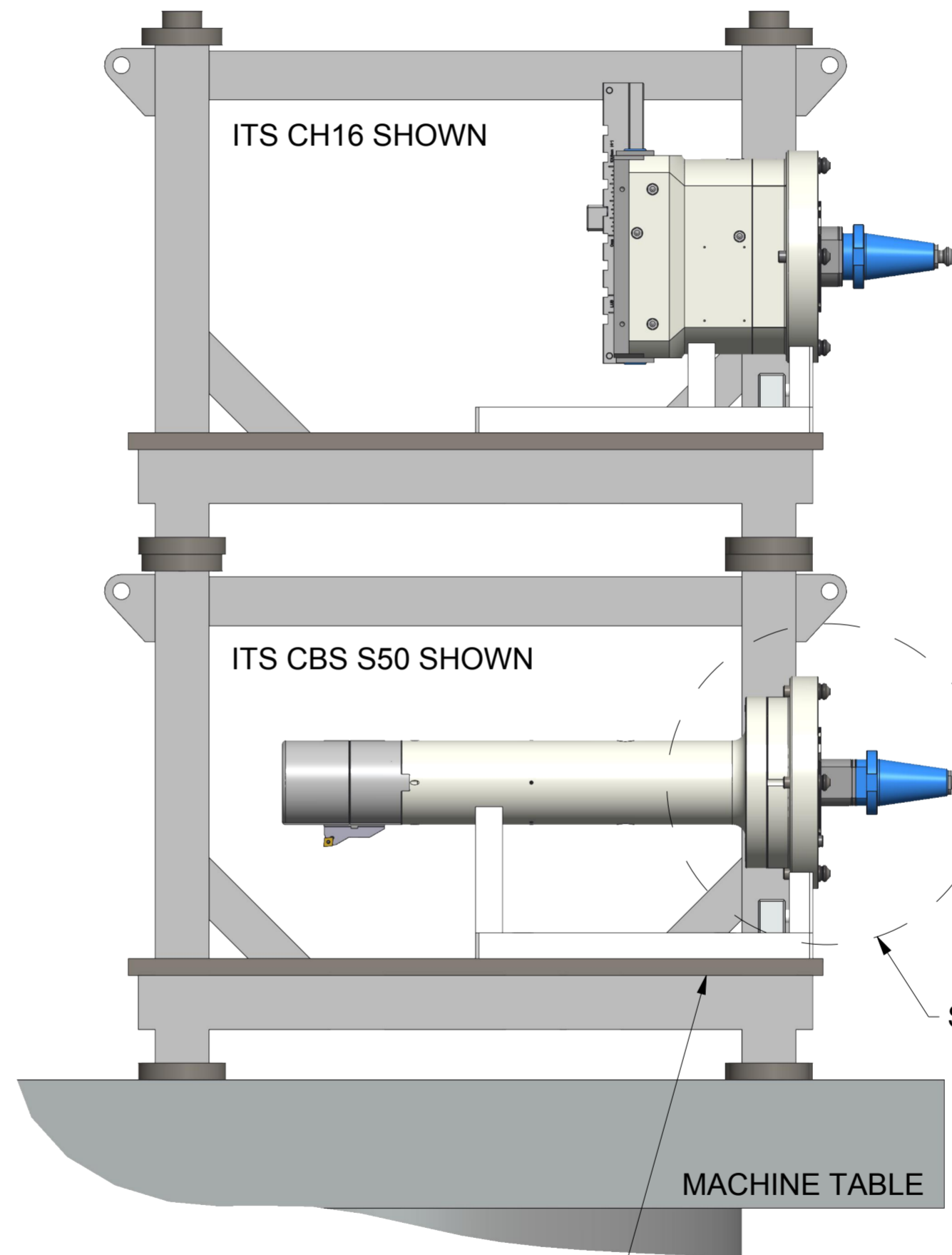
AUTOCHANGE ADAPTER
LOCATED AND BOLTED
(4 OFF) TO MILLING SPINDLE



DETAIL A

ITS CH16 SHOWN

ITS CBS S50 SHOWN



SEE DETAIL A

MACHINE TABLE

HYDRAULIC
ACTUATION
UNIT

MACHINE HEADSTOCK

AUTOCHANGE ADAPTER

OPERATION

- 1) CNC MACHINE CONTROLLED HYDRAULICS TO ACTUATION UNIT
8 BAR MINIMUM, 2 LINES REQUIRED.
(ONE FOR ACTUATION UNIT CYLINDER ACTUATION)
(ONE FOR AUTOCHANGE CLAMP UNLOCK)
- 2) ACTUATION UNIT (RADIAL OR AXIAL DEPENDENT UPON MACHINE)
- 3) SPINDLE STOPPED, ACTUATION UNIT CYLINDER ACTIVATED
AUTOCHANGE ADAPTER UNLOCKED.
ITS TOOL OR ITS COVER PLATE = LOAD / UNLOAD
- 4) AUTOCHANGE LOCK VIA BELVILLE SPRING STACK (ZERO POINT)

OPTIONAL FEATURES (CONTACT ITS FOR MORE INFO)

- PROXIMITY SWITCH ACTIVATION
- TOOL MANAGEMENT CHIP
- AIR BLAST TO ADAPTER JOINT FACE
- COVER PLATE
- SPINDLE SUPPORT BUSH
- DYNAMIC BALANCING

ITS POD RACK SYSTEM OR MACHINE DESIGNED RACK SYSTEM
INCORPORATING ITS UNIT TOOLCHANGE FIXTURE

ITS AUTOCHANGE SYSTEM



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EMAIL: sales@itstooling.com
WEB: www.itstooling.com