

AUTOMATION IG **CLAMPS & TERMINALS**

An extension of our weld tooling services, Automation IG has designed and built tooling components available in various sizes with built-in advance and retract sensors. Terminals with built-in LEDs and pre-made cables provide the most compact terminal blocks for use on tooling, reducing the size of control boxes, shortening build time, simplifying maintenance, and improving part access.





CLAMPS

Tested for millions of cycles, Automation IG pneumatic toggle clamps use advanced materials and coatings to provide improved durability and reliability.

ROUND BORE TOGGLE CLAMPS

Available in 32mm and 40mm bore sizes, these toggle clamps are well suited for most tooling applications.

OVAL BORE TOGGLE CLAMPS

Available in 50mm and 63mm bore sizes, these toggle clamps are well suited for tooling applications where space is limited. The oval bore cylinders provide a thin profile, and Automation IG's unique rotational head allows flexibility for mounting and adjusting in tight spaces.

INTERNAL SENSING

Optional internal sensing provides clamp and unclamp verification with less cost and maintenance than other solutions.

PNEUMATIC TOGGLE CLAMP PART NUMBERS

Round Bore

32AMTC = 32mm Compact Series
40AMTC = 40mm Compact Series

Oval Bore

50NLTC = 50mm NAAMS Light-Duty
63NMTC = 63mm NAAMS Medium-Duty

Sensing

X = None
SN = NPN
SP = PNP

Cylinder (round bore)

NCDQ = SMC NPT
CDQ = SMC BSP
P1M = Parker NPT

Cylinder (oval bore)

MUB = SMC
FCD = CKD

32AMTCSP-P1M

TERMINALS

Automation IG's compact terminals provide the ability to reduce the size of control boxes on tooling to improve weld access. The pre-made cables and built-in LED indicators reduce panel building time and reduce troubleshooting time.

Application	Terminal	Color	Cable
1746-IB16	MB-GRN-SNKIN	Green	MC-16E
1746-IV16	MB-BLU-SRCIN	Blue	MC-16G
1746-OB16	MB-RED-SRCOUT	Red	MC-16F
1746-OV16	MB-BLK-SNKOUT	Black	MC-16H
1746-IB32	MB-GRN-SNKIN	Green	MC-16AB
1746-IV32	MB-BLU-SRCIN	Blue	MC-16AB
1746-OB32	MB-RED-SRCOUT	Red	MC-16AB
1746-OV32	MB-BLK-SNKOUT	Black	MC-16AB
1762-L24BWAR	MB-GRN-SNKIN	Green	MC-1200L, MC-1200S
1762-1Q16	MB-GRN-SNKIN	Green	MC-1200L, MC-1200S
1764-LRP	MB-GRN-SNKIN	Green	MC-1500L, MC-1500S
1769-1116	MB-GRN-SNKIN	Green	MC-1500L, MC-1500S