

Custom Designed Fixturing Solutions

Paving the Way

4M



Innovation for Quality & Productivity Improvement

Our Approach

collaborated effort

Discuss Present Process with Customer
Analyse and Study possibilities for improvement
Concept Designs Preperation
Discuss proposed concepts with customer.
Quotation, Purchase Order
Detailed Design, Manufacturing
Inspection, Prove out.



About 4M's Fixturing Solutions

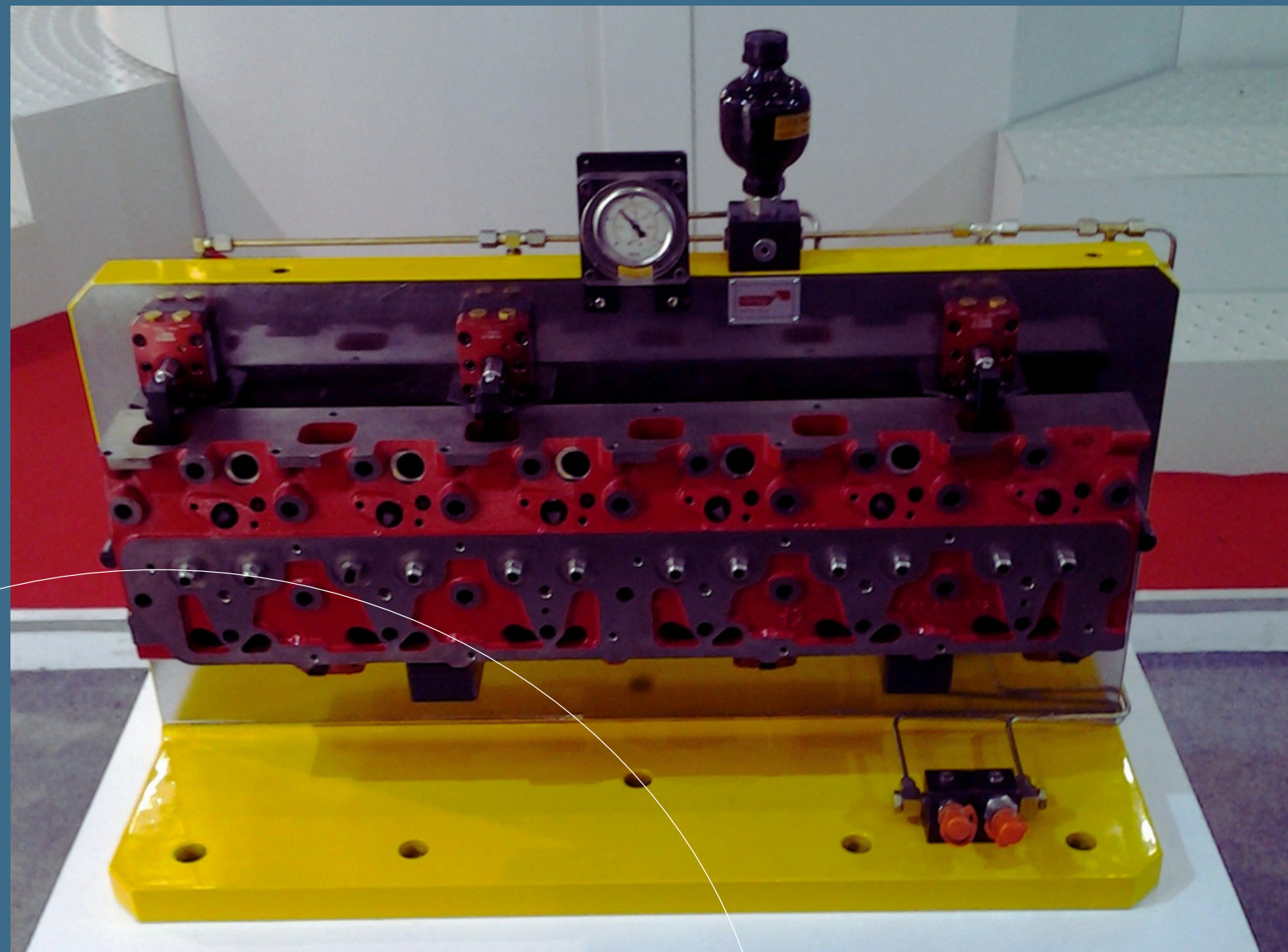
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Built on passion
and excellence

Fixtures are an important part of methods engineering majorly contributing to the Product quality, reliability and manufacturing productivity in a production line.

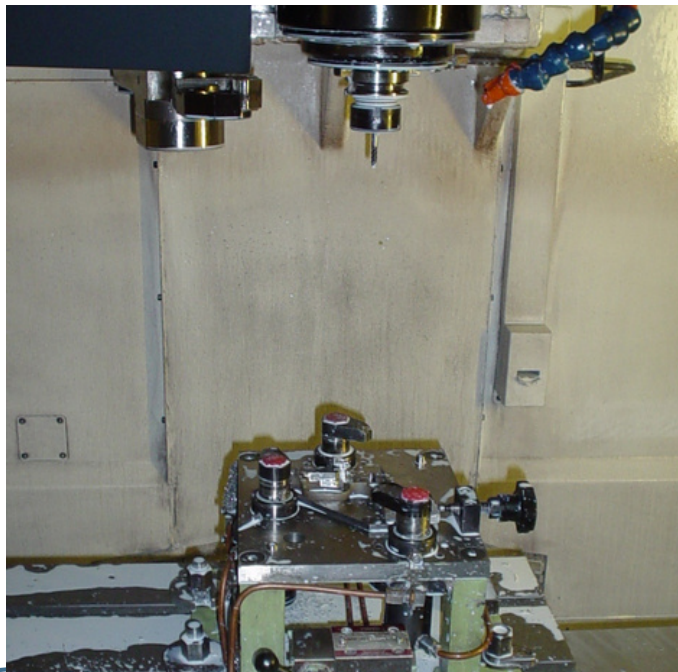
But unfortunately this didnot find its due importance in capacity planning which is enjoyed by the machine tools or even the cutting tools.

We at 4M strive with passion to innovate for Quality and Productivity improvement of Production lines with our Fixturing Systems and Automation solutions.



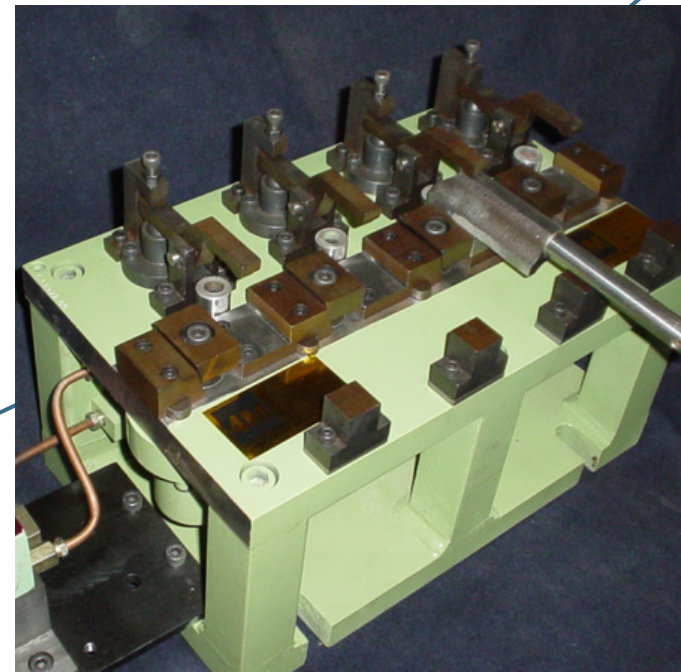
What We Do Best

Ergonomic Designing for Fatigue less Operation



Pistol Body

We provided constant force clamping for minimal deformation with miniature swivel clamps as component was very delicate.



Pistol Barrel

We provided multiple component clamping with single lever operation to reduce loading and unloading times.



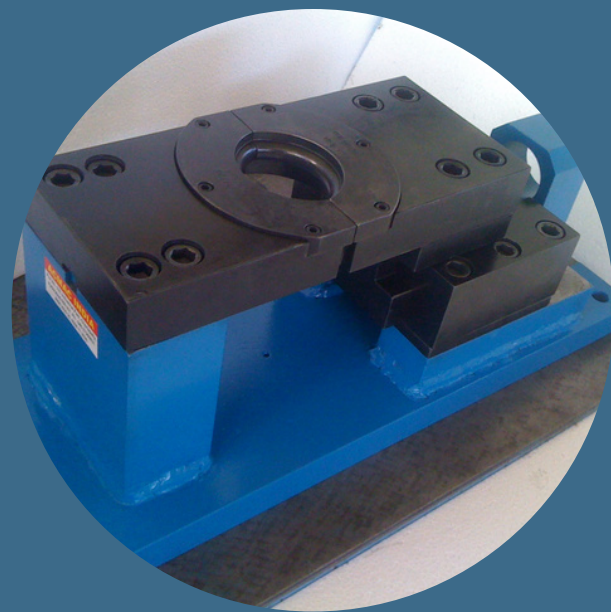
Trigger

compact design to hold very small components and perform high speed machining.

Our Solutions

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Fixtures for different processes on the same component



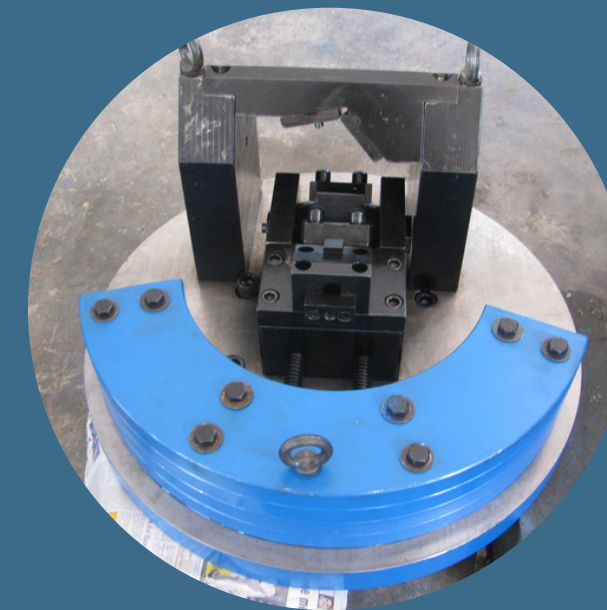
Face Grinding Fixture

Rock Roller Bit Leg bearing
Race face Grinding Hydraulic
Fixture



120 deg. Milling Fixture

Rock Roller Bit leg 120 degree
face Milling Hydraulic Indexing
Fixture.



Turining Fixture

Rock Roller Bit Leg Bearing
Turining Fixture for a VTL with
Hydraulic Clamping.



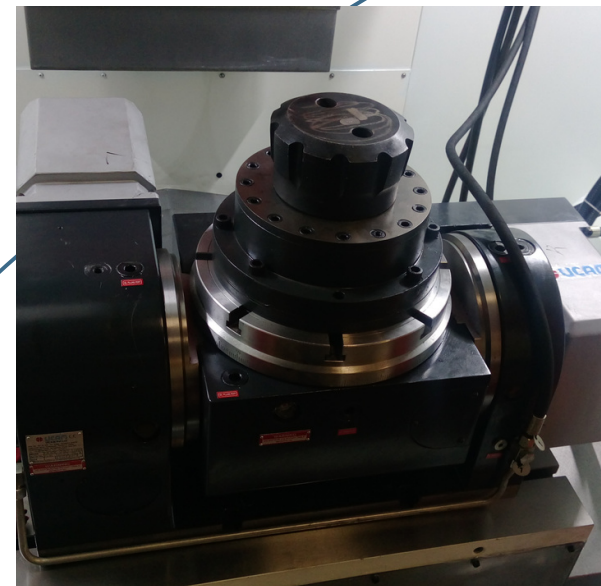
Strength of True Design

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Hydraulic Fixture

Hydraulic V location fixture for easy self centering and clamping of controlled diameter round components and perform various operations.



Hydraulic Collet Fixture

Hydraulic Collet fixture on a Ucam 5 axis for easy self centering and clamping of round components and perform various operations.



Hydraulic Collet Fixture

Hydraulic Collet fixture for easy self centering and clamping of round components and perform various operations.



Let's work towards for better Productivity and Quality.

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Let's pave the way together!



CONTACT US

SREENIVAS MOINIKUNTA

(Asia Pacific) **Director**

sreenivas@4mtech.in
+91-08008292525



FOUR M TECHNOLOGIES PVT. LTD.

PLOT 110, PHASE III, IDA CHERLAPALLY, HYDERABAD -51, TELANGANA, INDIA

WEB : WWW.4MTECH.IN PHONE: +91-07893908650, 07995529663

VEENA GUNDAVELLI

(USA & Europe) **Director**

veena@4mtech.in
+1-408-805-0384

