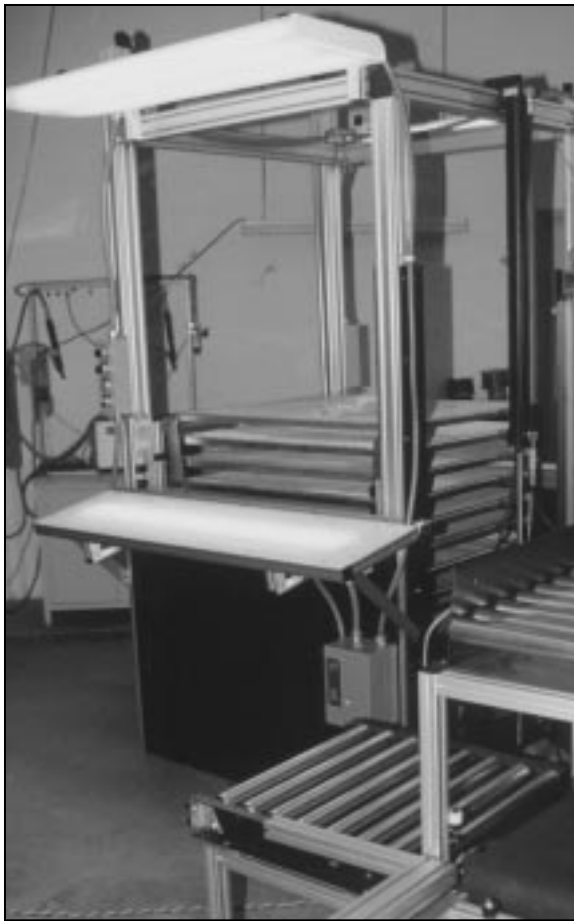


a lex[®] **Table of Contents**

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This catalog is a guide to the selection of a lex products. It does not purport to cover all details or variations in, nor to provide for every possible contingency to be met in connection with a given application. No warranty of fitness for purpose is expressed or implied. Should further information be desired, contact the factory or its representatives or distributors. Furthermore, a lex products reserves the right to change or discontinue products without notice. All products are covered under our standard warranty. © 2001



Inspection/Packing Station

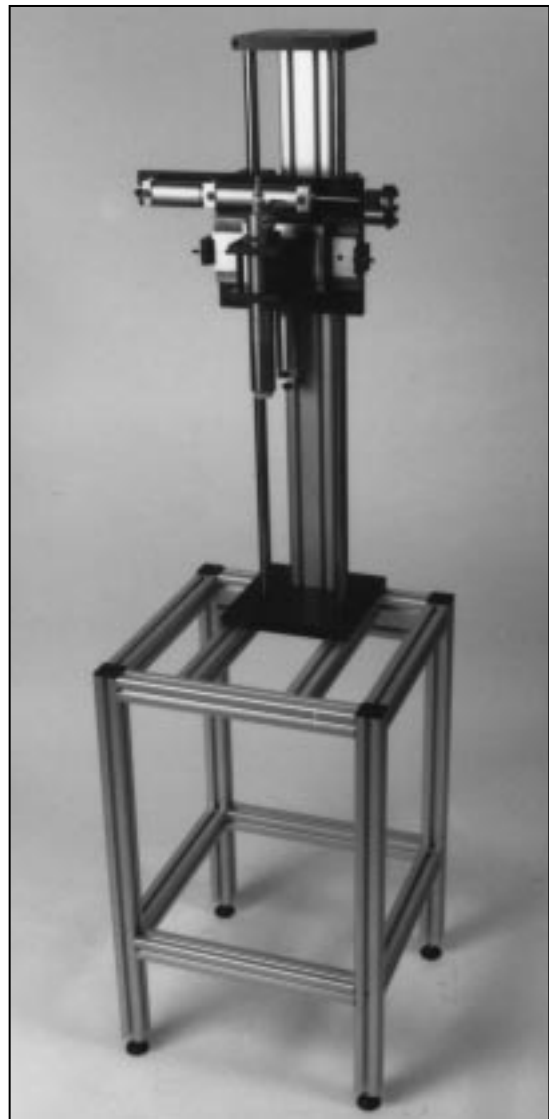


OEM Machine Bases

***In sync with the
flexible manufacturing
environments of
the new millennium***



Robot Cell Enclosure



Torquing Station

a lex[®] **Modular Construction Elements for Industrial Automation**

Eliminate

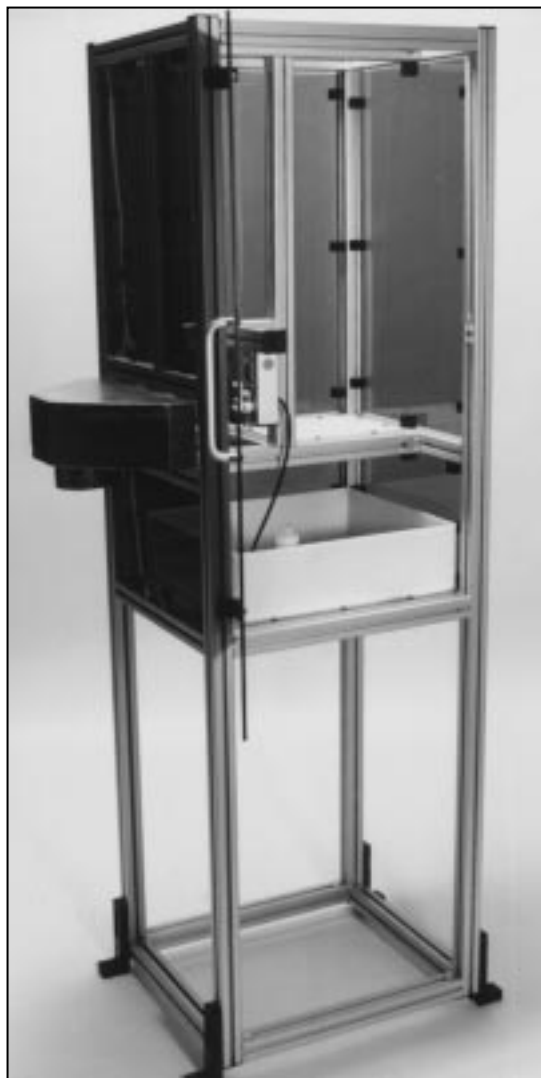
- Welding
- Painting
- Grinding
- Stress Relieving
- Obsolescence



Clamshell Style Enclosure



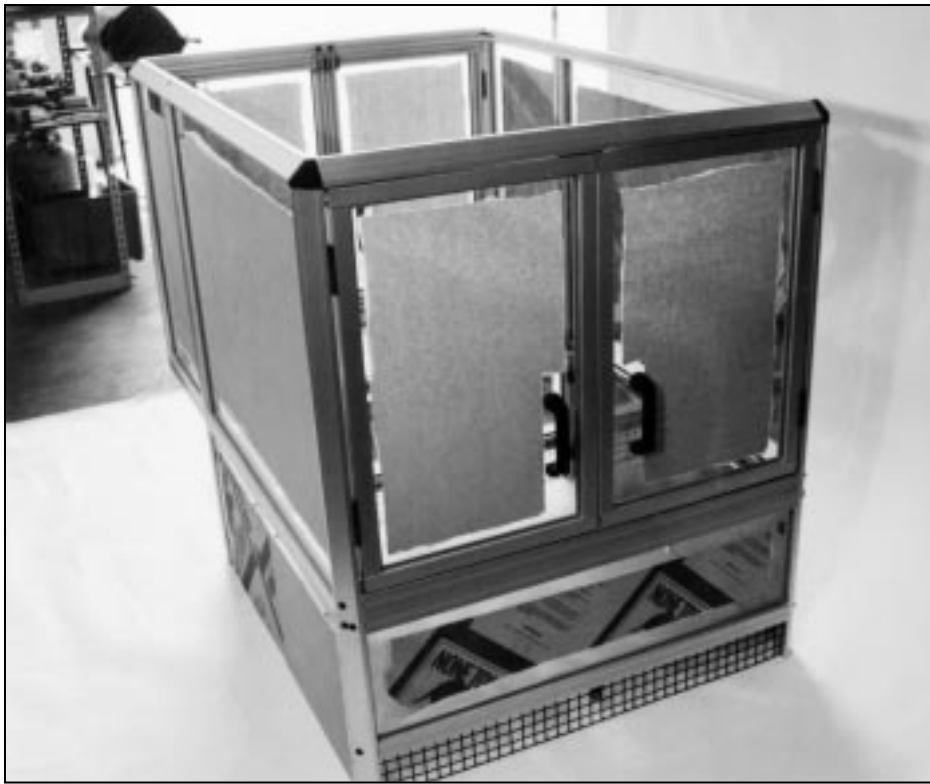
Enclosure



Test Station

Reduce

- Misalignments
- Drilling
- Tapping
- Fabrication
- Cost!



Medical Device Assembly Machine Enclosure

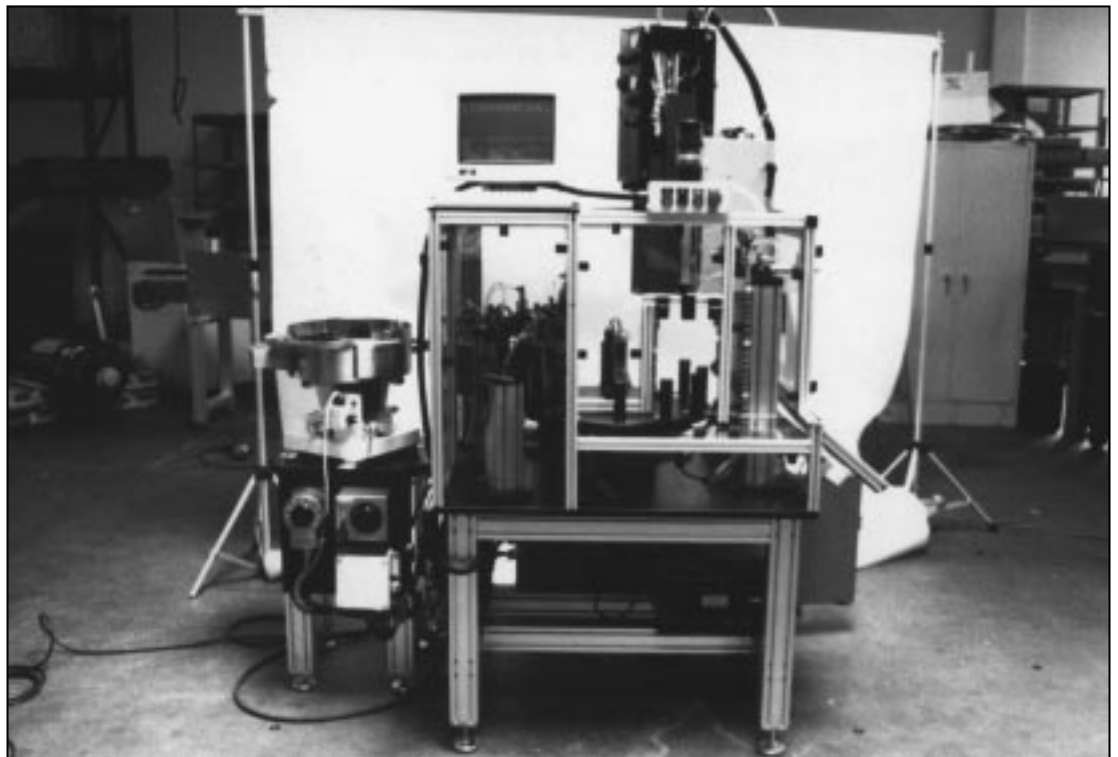


Laser Support Base

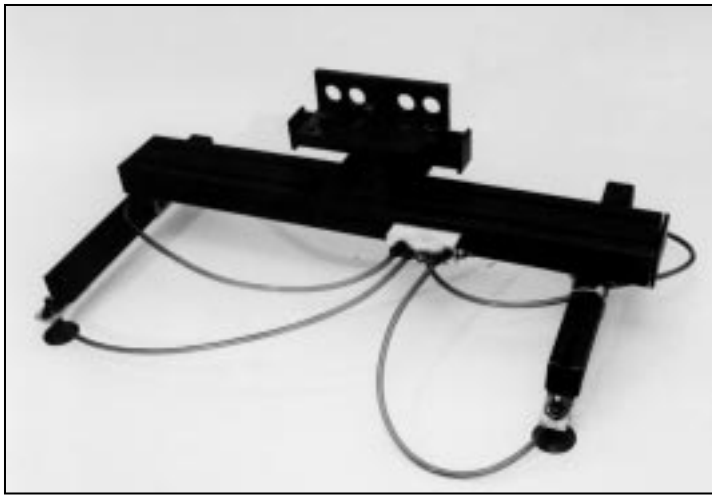
a lex[®] **Machinery Applications**



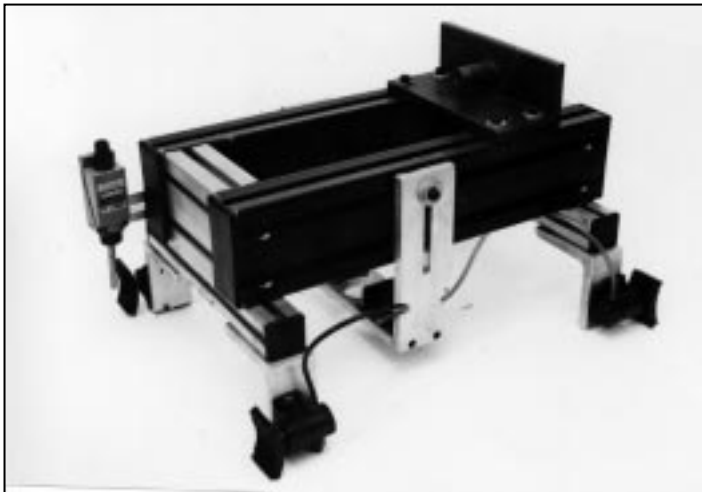
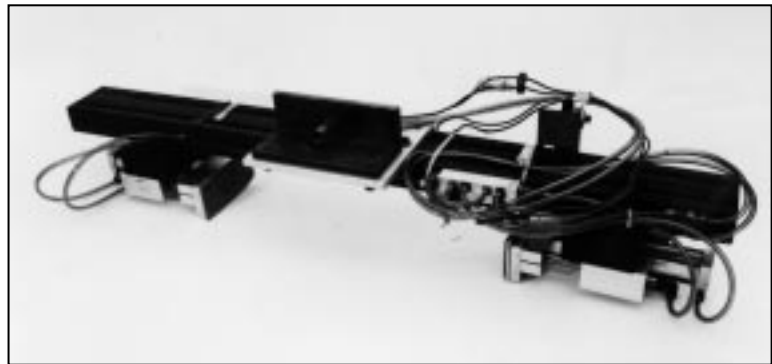
Manual Packing Gantry



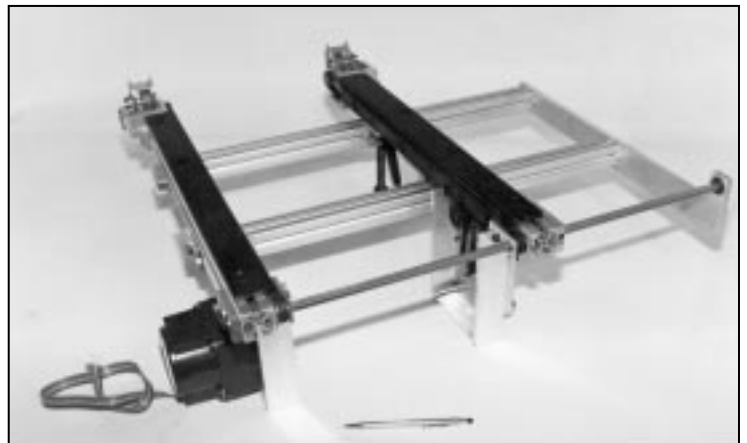
Rotary Table Assembly Machine



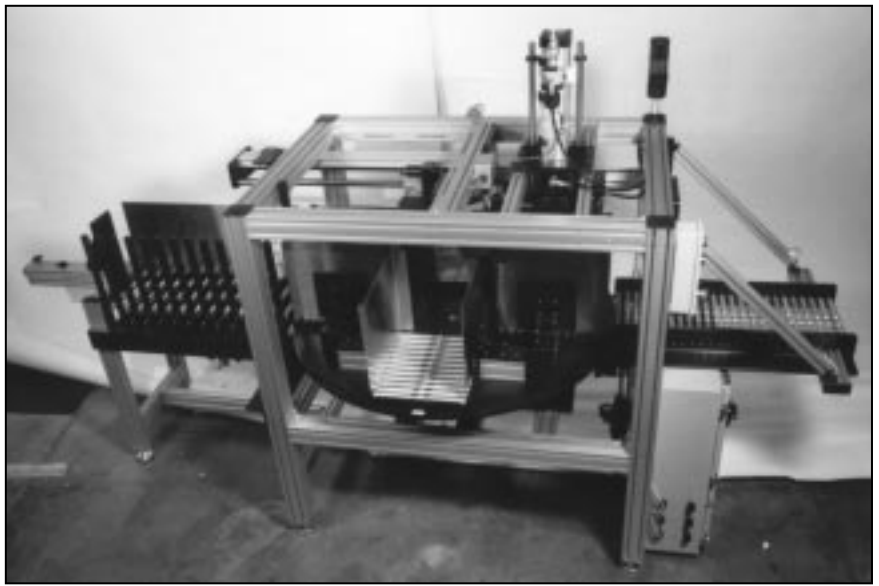
Robot End of Arm Tooling



P.C. Board Handling Conveyor



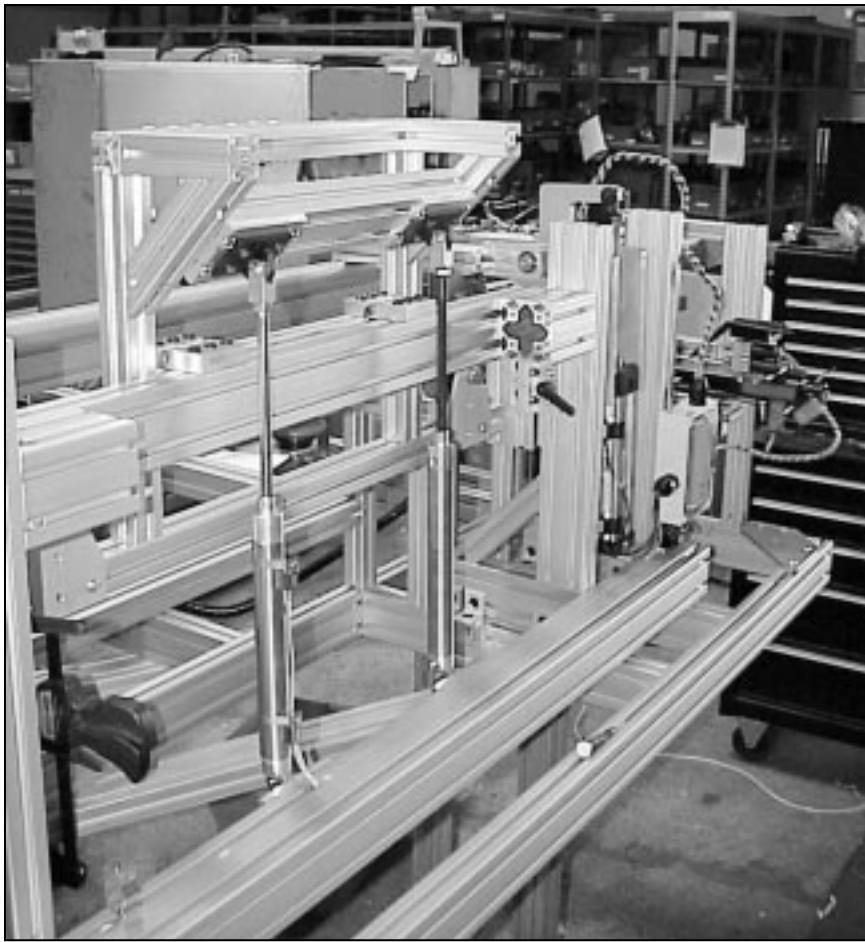
Palletizing
Orienting Table



Rotary Assembly Machine

Machine Base





Custom Case Erector Machine



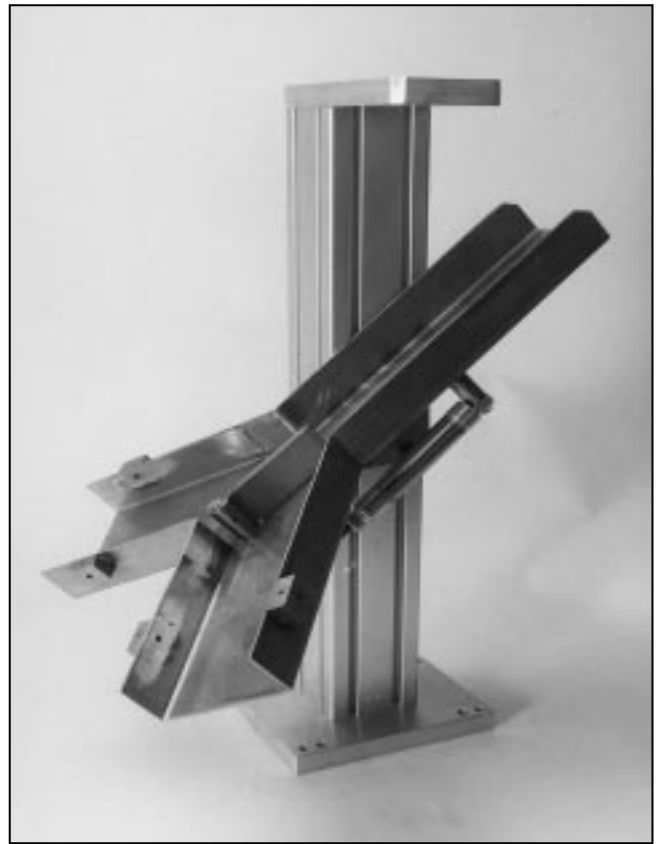


Computer Burn In Tunnel



Molding Machine Second Operation Cell

a lex[®] **Module Applications**



a lex[®] **Modular Construction Elements for Industrial Automation**

from Components to Structures in 4 Easy Steps

When using the standard, corner or flat fastener



Cut

- Use cold saw with double sided vise
- Squareness of cut is important



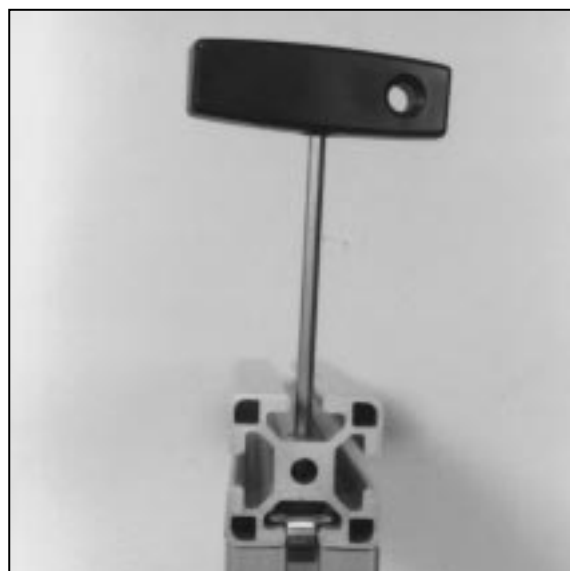
Drill

- Pilot hole using jig



Tap

- M8 THRD



Assemble

- Using M5 T handle wrench

a lex[®] **Modular Construction Elements for Industrial Automation**

from Components to Structures in 4 Easy Steps

When using the universal fastener



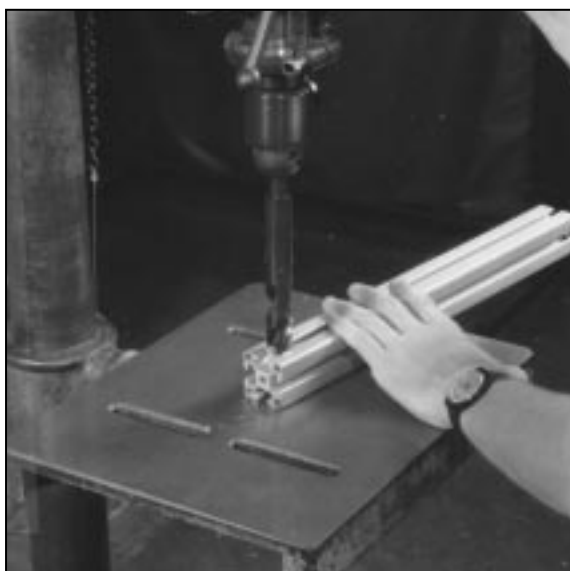
Cut

- Use cold saw with double sided vise
- Squareness of cut is important



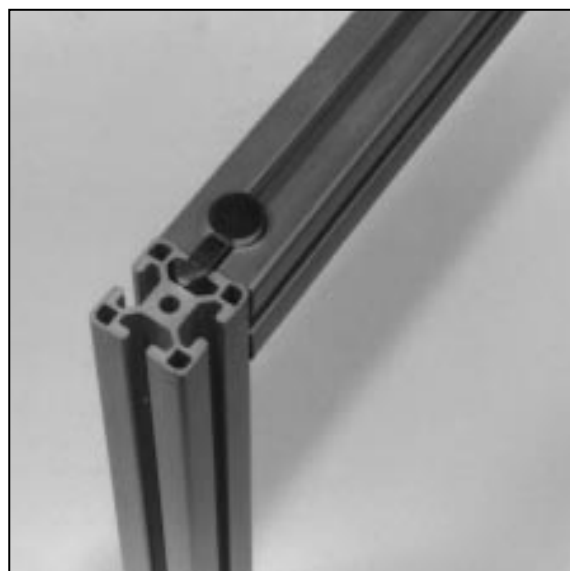
Drill

- Pilot hole using jig



Step Bore

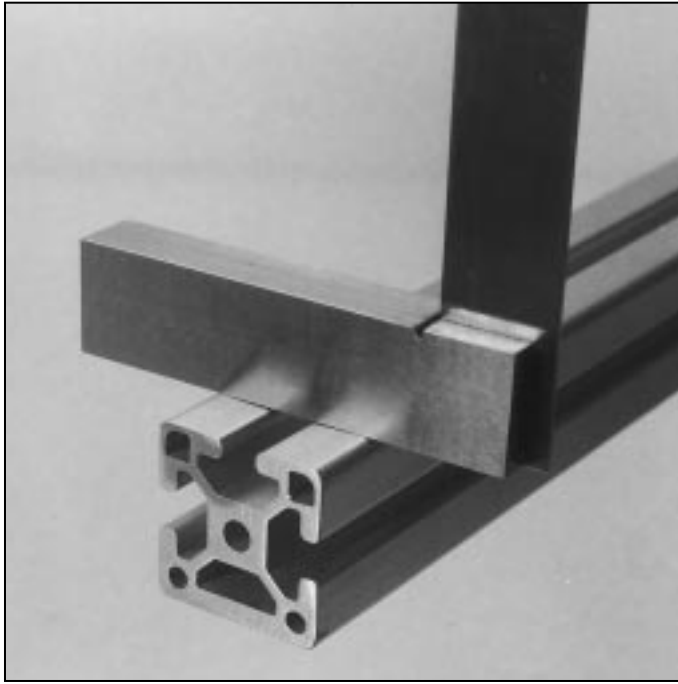
- M20 x 16mm DP counter bore
- Use universal step drill # 44096



Assemble

- Initial tightening use ball end L wrench
- Final tightening use opposite end

a lex[®] Concave Wall Feature



All a lex basic Profiles feature concave wall design. Before final tightening the wall is deliberately deformed as it is forced flush to the mating beam.

The resulting pretension creates a substantial lockwasher effect.

The completed connection is now highly resistant to loosening.

English/Metric — Metric/English Quick Reference Chart

Units of Measure

| | | | | |
|-------------------|---|----------------------|---|---------------------|
| 1 meter | = | 3.2808 ft | = | 39.37 in. |
| 1 cm | = | .39 in | = | .03 ft |
| 1 mm | = | .039 in | = | .003 ft |
| 1 foot | = | .3048 m | = | 30.48 cm = 304.8 mm |
| 1 in | = | 2.54 cm | = | 25.40 mm |
| 1 m ² | = | 10.8 ft ² | | |
| 1 ft ² | = | .093 m ² | | |

Units of Weight

| | | |
|------|---|----------|
| 1 kg | = | 2.2 lbs |
| 1 lb | = | .5436 kg |

Units of Force

| | | |
|--|---|-----------------|
| 1 newton | = | .2248 lbs force |
| 1 lb force | = | 4.484 newtons |
| Kg x 9.81 (constant for gravity) = newtons (static load) | | |

Conversion Factors

| <i>To Find</i> | <i>Multiply</i> | <i>By</i> |
|-----------------|-----------------|-------------|
| microns | mils | 25.4 |
| centimeters | inches | 2.54 |
| meters | feet | 0.3048 |
| meters | yards | 0.9144 |
| grams | ounces | 28.349523 |
| kilograms | pounds | 0.45359237 |
| sq. centimeters | sq. inches | 6.4516 |
| sq. meters | sq. feet | 0.09290304 |
| sq. meters | sq. yards | 0.83612736 |
| cu. meters | cu. feet | 0.028316847 |
| cu. meters | cu. yards | 0.76455486 |
| newtons | foot pounds | 4.484 |
| foot pounds | newtons | 0.2248 |