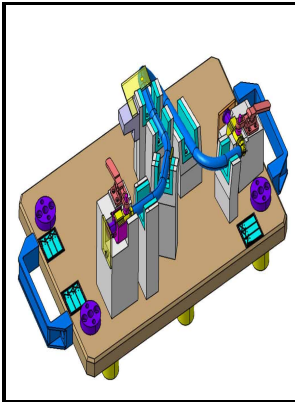


Jig and fixture design

Delmar Publishers - 10 basic principles of jig and fixture design



Description: -

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-Jig and fixture design

Notes: Includes index.

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Design principles of Jigs and Fixtures

The table jig shown in Figure 4-47 is basically a template jig installed on legs.

Jigs and Fixtures: Types, Parts, Definition, Applications

Right-angle plate fixtures, Figure 4-55, are constructed at 90° to the base. Index Plungers Index plungers are heavier-duty spring-loaded locators.

Jigs and Fixtures: Types, Parts, Definition, Applications

Editorial review has deemed that any suppressed content does not materially affect the overall learning experience. Source: whenever necessary, the fixture may have to be provided with a counterweight or balance the unbalance fixture.

The Design and Need for Jigs and Fixtures in Manufacturing :: Science Publishing Group

Some customers may have preference for certain makes, for the sake of standardization. Fixtures often fastened to the machine table, are made to hold the work piece firmly and in the desired position during machining operations.

10 basic principles of jig and fixture design

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Design principles of Jigs and Fixtures

Welded tool bodies are inexpensive to build and they are usually easy to modify. Whereas a jig holds, locates and as well as guides the tool.

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Simply browse through our list of designers, view their profiles, and select those whom you think can do a great job. Fixture Keys An accurate

relationship between the workholder and the machine tool must be established. Broaching Fixtures These fixtures are used on different types of to locate, hold, and support the workpieces during the operations, such as keyway broaching operations, such as keyway broaching, hole broaching, etc.

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Although angle brackets are commonly thought of as 90° elements, there are also adjustable-angle styles of angle brackets and plates. For weaker material, consider through-hole mounting with a nut and washer on the other side. The fixture base can then be secured to the table by means of T-bolts and nuts.

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