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important process

design activity, for

which automation is

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critical for the integration of computer-aided design and computer-aided manufacturing (CAM). In this paper, a review of the state of the art approaches of fixture design is provided. The current drawbacks of the existing approaches and the research areas to focus on in the near future are also identified.

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dimensional prismatic  
parts produced on  
machining centres.  
Masters Thesis, Dept.  
of Industrial and  
Systems Engineering,  
The Ohio State  
University, Columbus,  
Ohio, USA. 1986  
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Manufacturing  
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Yiming (Kevin) Rong.  
Edition 1st Edition .

First Published 1999 .

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April 1999 . Pub.

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location Boca Raton.

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design and automation

theories and

technologies are still

not mature.

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Fixture Design (CAFD) techniques and covers fixture planning, the design of both modular and dedicated fixtures, and the ...

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stage is the problem definition (PD) phase. The next stage is the fixture synthesis (FS) phase. The final stage is the fixture analysis (FA) stage.

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8.8.1 Fixture Design  
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367. 9.1 Introduction

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Widely used in manufacturing, fixtures have a direct impact upon product manufacturing quality, productivity and cost, so much attention has already been paid to the research of computer aided fixture design (CAFD) and many achievements in this field have been reported. In this paper, a literature survey of computer aided fixture

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over the past decade is  
proposed.

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The text uses up-to-date computer technology to minimize costs, increase productivity and assure product quality. It presents advanced data and analysis that is directly applicable to

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development of  
comprehensive  
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modular fixture design  
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in the CAFD field, including their approaches, requirements and working principles are discussed.

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Fixture design is an important process design activity, for which automation is critical for the integration of

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computer-aided design and computer-aided manufacturing (CAM). In this paper, a review of the state of the art approaches of fixture design is provided.

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1958-Publication: New  
York : Marcel Dekker,  
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Manufacturing  
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## Aided Fixture

Computer aided fixture design (CAFD) is the use of computers to help aid in the design of fixtures []. Computer aided fixture designs (CAFD) have grown tremendously since the 1980s, and a lot of work has been done to enhance the process of fixture designs []. Computers have dramatically reduced the design process time.

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