

## 尾巨桉人工林木材机械加工性能的评价

侯新毅 姜笑梅 殷亚方

(中国林业科学研究院木材工业研究所 北京 100091)

**摘要:** 本文以美国材料和检测协会 (ASTM) 制定的 D1666-87 技术标准为基础, 选定刨切、砂光、钻孔、榫眼加工、成型、旋切等六个测试项目, 对尾巨桉 (*Eucalypt urophylla* × *E. grandis*) 人工林木材的机械加工性能进行了较系统的测试和研究, 并初步分析了加工缺陷产生的原因, 结果表明尾巨桉木材具有实木利用的巨大潜力。

**关键词:** 尾巨桉 (*Eucalypt urophylla* × *E. grandis*) 木材 机械加工性能 加工缺陷

## Study on Machining Properties of *E. urophylla* × *E. grandis* Plantation Wood

Hou Xin-yi JIANG Xiao-mei YIN Ya-fang

(Research Institute of Wood Industry, Chinese Academy of Forestry Beijing 100091)

**Abstract:** The researching methods of this paper were based on the standards of American Society for Testing and Materials. Six items which contain Planing, Sanding, Boring, Mortising, Shaping and Turning were selected to study the machining properties of *E. urophylla* × *E. grandis* plantation wood. Moreover, the reasons for machining defects were analyzed. The results showed *E. urophylla* × *E. grandis* planted in south part of China is a good species with great potential for solid wood utilization.

**Keywords:** *E. urophylla* × *E. grandis* plantation wood, Machining properties, Machining defects

---

国际热带木材组织项目 (ITTO) 项目: Improved and Diversified Use of Tropical Plantation Timbers in China to Supplement Diminishing Supplies from Natural Forests.

第一作者简介: 侯新毅, 1978 年生, 男, 中国林业科学研究院木材工业研究所, 陕西人, 硕士生。主要从事木材解剖和木材机械加工性能方面的研究。电话: 010-62888843。