



Početna stranica  
Abeecedni popis časopisa

Časopisi po područjima  
Prirodne znanosti  
Tehničke znanosti  
Biomedicina i zdravstvo  
Biotehničke znanosti  
Društvene znanosti  
Humanističke znanosti

Uredništva  
Prijava novog časopisa



[Drvna industrija, Vol.59 No.3 Studeni 2008.](#)

Izvorni znanstveni članak

### Effect of technological parameters and wood properties on cutting power in plane milling of juvenile poplar wood

**Štefan Barcík**; Faculty of Forestry and Wood Sciences, Prague, Czech Republic  
**Eva Pivolusková**; Faculty of Wood Technology, Technical University in Zvolen, Slovakia  
**Richard Kminiak**; Faculty of Wood Technology, Technical University in Zvolen, Slovakia

[Puni tekst \(Engleski\) Str. 107 - 112 \(pdf, 891.76 KB\) downloads: 81](#)

#### Sažetak

This paper presents the results of experimental measurements aimed at observing the effect of technological parameters (cutting speed  $v_c$  and feed speed  $v_f$ ), type of wood (juvenile wood and mature wood) and wood species (aspen *Populus tremula*, L. and hybrid poplar *Populus x Euramericana* „Serotina“) on cutting power during plane milling of poplar wood. The results showed the reduction of cutting power with the decrease of cutting speed and feed speed. Lower cutting power was also measured in milling hybrid poplar than in milling aspen. The test also confirmed the effect of different anatomical and chemical structure of juvenile wood in relation to mature wood on different physical and mechanical properties of such wood and hence also on the cutting power in processing juvenile wood.

#### Ključne riječi

milling; poplar; cutting power; juvenile wood; fast-growing trees

[\[Hrvatski\]](#)

Posjeta: 157 (od 01.01.2007.)



Pretraživanje članaka

[Napredno pretraživanje](#)

[Upute za pretraživanje](#)

Moj profil

[Registracija novih korisnika](#)

Korisnička oznaka (email)

Lozinka

[Zaboravili ste lozinku?](#)



