The background of the slide is a close-up, high-resolution image of wood grain. It shows several distinct wood species with varying grain patterns, including a prominent circular growth ring pattern in the center-right. The colors range from light tan to deep brown, creating a textured and organic appearance.

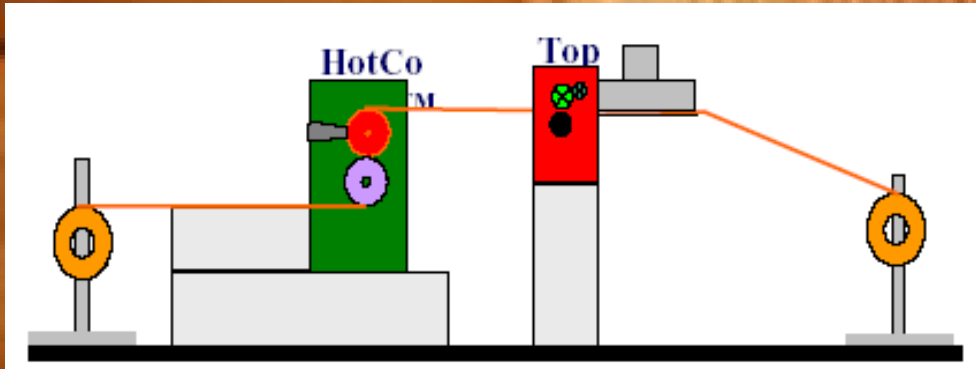
INVESTIGATIONS OF THE PROPERTIES OF ARTIFICIAL VENEERS FINISHED IN HOT COATING TECHNOLOGY

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KLEIBERIT Product	PUR HC 717
Basis	PUR
Viscosity	120°C ca. 15.000 mPas 140°C ca. 7.000 mPas
Application temperatur	100°C - 140°C
Coat weight	40-100g/m ²
Colour	transparent



Advantages of HC technology

- simple on line process
- variable application range
- high line velocity up to 30-50 m/min
- variable application width up to 1400 mm as standard
- optimized coating cost through low coat weight
- no sanding in interlayer system
- safe production through use of standardized machines
- little production area required
- low capital expenditure
- short set up times, simple machine operation

Investigations in PULS

Technological operations	Kind of lacquer	
	Acrylic UV	PUR HC
Application of putting	+	-
Hardening	+	-
Sanding	+	-
Lacquer 1	+	+
Hardening	+	-
Lacquer 2 + hardening	+	-
Lacquer 3 + hardening	+	-
Application and curing of TC lacquer	+	+
Length of the line [m]	27	11

Topic	Authors
Economic-technical aspects	Proszyk, Lis and Krystofiak 2008
Aesthetic decorative features	Lis et al. 2009a, c
Wettability and adherence	Proszyk et al. 2006, Krystofiak et al. 2009, Lis et al. 2009b
Resistance to mechanical factors	Proszyk et al. 2007a, Lis et al. 2009d
Thermoresistance	Proszyk et al. 2007c
Chemoresistance	Proszyk et al. 2007b