■ SPINDLE MOULDER T1

A consistent moulded surface cannot simply be ordained. But it's so simple with the MARTIN spindle moulder T12.

The spindle moulder T12 is our compact spindle cutter with all the MARTIN premium features – it will delight you. For example, with its highly functional but easy-to-use control system and its excellent value-for-money. The spindle moulder T12 is the ideal machine for any company – either as an affordable entry into the Martin world of moulding or as an effective way to expand manufacturing options in trade and industry. With its individual customisation options, it is the perfect spindle cutter for a wide variety of applications.

Source : *https://martin.info/en/product/spindlemoulder-t12-2/*

■ CARL HANSEN & SON INTRODUCES BØRGE MOGENSEN'S TABLE BENCH IN A SHORTER VERSION

Carl Hansen & Son Introduces Børge Mogensen's Table Bench in a Shorter Version. Carl Hansen & Son has unveiled the BM0488S Table Bench - a shorter version of Børge Mogensen's famous bench with the characteristic woven seat, understated details and precise craftsmanship.

Børge Mogensen created the table bench in 1958 as part of his "building furniture concept". Mogensen's philosophy was to design functional and durable furniture that can be adapted to changing needs of multiple locations. The table bench is made of solid oak and double-woven canework, which lends the piece a solid but elegant expression. The rounded edges and beautiful mortise joints testify to the elaborate craftsmanship that characterizes Børge Mogensen's style.

"Børge Mogensen was renowned for combining high quality with timeless design, and his bench is no exception," commented Knud Erik Hansen, CEO of Carl Hansen & Son. "We are, therefore, pleased to be able to expand our collection from the well-known designer with a shorter version of the table bench".

Source: *https://www.dexigner.com/news/33874*

■ HIGHLY ELASTIC AND FATIGUE RESISTANT WOOD/SILICA COMPOSITE AEROGEL OPERATED AT EXTREMELY LOW TEMPERATURE

Advanced aerogel materials have great potential for applications in areas such as thermal insulation. However, the creation of a low-temperature resistant elastic aerogel remains a considerable challenge. Herein, we demonstrate an organic and inorganic hybrid strategy to develop a wood-based composite aerogel (wood/silica aerogels) by freeze drying. The silica nanoparticles are *in situ* grafted onto the wood nanofibers through the sol-gel method. The obtained wood/silica aerogels exhibit excellent hydrophobic (127°), flame-retardant (LOI = 44%), and thermal insulation performances (0.032 W m^{-1} K^{-1}). More notably, wood/silica aerogels demonstrated elasticity and flexibility, performing torsion and elastic recovery even in liquid nitrogen (−196 °C). The successful synthesis of wood/silica aerogel provides a new idea for designing flexible thermal insulation materials with low temperature esistance.

Source: *https://www.sciencedirect.com/science/article/abs/pii/S1359836821008635*

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