



press office

FieraMilano Rho Fairgrounds

October 12-15, 2022

Biennial world exhibition for woodworking technology and furniture supplies

Assago, July 12, 2022  
To Xylexpo 2022 exhibitors



To the kind attention of  
SECRETARIAT OF XIA AWARDS 2022  
Eng. **Matteo Simonetta**  
Acimall Technical Office  
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## Nomination to XIA Award 2022 By and within September 15, 2022

I, the undersigned, (name and surname) **Jens Kampmeyer**.....  
in my capacity as (company role) **Executive Sales Manager**.....  
of company (full company name) **SPÄNEX GmbH** .....

based in (country, city) **Germany, Uslar**.....  
in (street, square address) **Otto-Brenner-Straße**..... number ...**6**.....  
ZIP ...**37170**..... country ...**Germany**.....

submit a nomination to XIA 2022 award for the following ~~machine~~ / **solution** / plant:  
model / denomination: **dust extraction battery based on several dust extractors, type SPÄNEX SMU**

**PRESS OFFICE**

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designed to (description of functionality) .....

### **Innovative concept for extraction systems from SPÄNEX**

Due to current regulations, filter units for wood dust that do not comply with the norm EN 16770 for dust extractors, must always be installed outdoors. Filter units for outdoor installation are usually much more expensive than indoor dust extractors, as the outdoor filter systems have to be equipped with longer extraction lines, mandatory return air systems as well as access ladders, maintenance platforms, etc. These additional expenses can be omitted for dust collectors installed indoors.

The norm EN 16770 only applies to dust extractors with a nominal volume flow of max. 8,000 m<sup>3</sup>/h (measured at 20 m/s in the suction nozzle of the unit).

In practice, this means that commercially available dust extractors can only be used up to a maximum of approx. 10,000 m<sup>3</sup>/h. For bigger air volumes, operators previously had to choose an externally installed filter unit. With outdoor installation, there was a significant, disadvantageous jump in price.

In addition, sometimes extraction systems above 10,000 m<sup>3</sup>/h cannot be installed outside buildings due to the local conditions (e.g. no sufficient safety area for opening of bursting discs available). The alternative of locating the filter system indoors and equipping it with flameless pressure relief devices is sometimes not feasible for structural reasons, too. So another solution had to be found.

Considering this background, SPÄNEX has developed an innovative system concept on the basis of dust extractors (type SMU), which is specially designed for applications of the kind described above.

Depending on the required extraction volume flow, two, three or four SMU dust extractors placed side by side, each with an air capacity of 10,000 m<sup>3</sup>/h, form an extraction centre that provides an air volume capacity of 20,000, 30,000 or 40,000 m<sup>3</sup>/h. This means that stationary filter systems in the specified performance range can be replaced by dust extractors mounted indoors.

This solution offers the following innovative features:

For example, a dust extraction centre based on 2 units SMU 100 for a volume flow of 20,000 m<sup>3</sup>/h (similar to Fig. no. 1) is approx. 25% cheaper than a standard filter unit for outdoor installation!

In addition, sometimes extraction systems above 10,000 m<sup>3</sup>/h cannot be installed outside buildings due to the local conditions (e.g. no sufficient safety area for opening of bursting discs available). For these cases the SMU dust extraction centres are a reliable and well proven option.

Please note:

This innovative SPÄNEX extraction centre consisting of 2 x SMU 100 with briquetting press SHB underneath for a total volume flow of 20,000 m<sup>3</sup>/h is located on the stand of Weinig / Holz-Her in order to dedust their machines.

.....

**The award has been created to recognize innovative solutions presented at Xylexpo, therefore the jury will only consider solutions / activities launched after January 1<sup>st</sup>, 2020.**

The applicant takes full responsibility for the statements contained herein and accepts that, in case of discrepancies and/or non-compliance, the nomination may be canceled and/or the prize withdrawn (if already assigned).

Put an X on the correct option:

Is this solution a "global preview"? **NO**

If NO, is it a new solution for the Italian market? **YES**

If NO, where was it presented for the first time? ...**Trade fair "Holzhandwerk", Nuremberg**

In which year? ...**2022...**(formerly planned for 2020, but fair was cancelled due to Corona reasons)

Is it currently in production? **YES**

Signature:



Place: ...**Uslar**..... Date: **15.09.2022**.....

For the purpose of evaluation by the jury, the applicant encloses the following documentation:

Text "**Innovative concept for extraction systems from SPÄNEX**"

(file name "**Innovation by SPÄNEX\_2022-09-14en**").....

**As required by the award call for nominations, the information herein shall be published on the following web site: [www.xylexpo.com](http://www.xylexpo.com).**

For any information about application procedures, or technical questions, please contact:

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For logistic and general information about the award organization, please contact:

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