

# Efficiency on the Highest Level.

Schelling has streamlined the processes at  
KORNMÜLLER KÜCHEN.



**Josef Schedlberger, Head of Production,  
KORNMÜLLER**

*"XBoB – a solution for cost-effective production,  
because of incorporation of rest parts"*

#### **Task:**

Develop an overall concept for automated processing from the delivery of the boards to the finished cut with optimum utilisation of rest-parts.

#### **Schelling solution:**

The overall concept comprises an automatic board storage system with automatic rest part return function which also integrates a Schelling fh 6 cut-to-size saw with moving aligning-table and FXH as well as the Schelling XBoB for managing smaller rest cuts. Schelling has realized this project in collaboration with AW Bearbeitungssysteme, 3Tec, Systraplan and Hova.

## FACT BOX

### Automatic board storage

#### Features:

- Automatic stock placement and board management
- Faster board access
- Streamlined processes
- Automatic rest return function for large rest cuts

### XBoB

#### Features:

- Administrative program for rest cut storage
- Customised display of rest cut storage
- Interface between the machine controls and the HPO optimisation system
- Fully automated booking in/out of rest cuts
- Rest cuts generated during production are automatically registered in the material database
- Rest cuts placed in stock can be immediately reused for optimisation
- Scheduled rest cuts are automatically debited from the material database
- Status of rest cuts is colour-coded

## KORNMÜLLER

|                   |                                   |
|-------------------|-----------------------------------|
| <b>Foundation</b> | 1963                              |
| <b>Employees</b>  | 100                               |
| <b>Customers</b>  | Austria<br>Germany<br>Switzerland |



## Interview with Josef Schedlberger, Head of Production at KORNMÜLLER

### 1. KORNMÜLLER manufactures kitchens using a range of different surfaces. What special requirements have to be fulfilled by the automatic board store?

“The automatic storage system is a major benefit as we use a wide range of surfaces. Furthermore, the right boards are delivered to the saw operator at the right time and without interruption. The result: a time saving of 30% over the whole cutting process.”

### 2. Which factors were decisive in KORNMÜLLER selecting Schelling as its implementation partner for the overall concept?

“The integrated management of rest parts offers many advantages to KORNMÜLLER: board transportation is reduced to a minimum, whilst providing a better overview and simplifying store management. The automatic connection between the board store and the saw, as well as XBoB for managing small rest cuts allows us to increase productivity and make better use of rest parts. It is now possible to manufacture batch size 1 in a cost-effective manner.”

### 3. What are the benefits of an automatic connection between the board storage system and the saw?

“The automatic connection of the saw significantly reduces the workload of our saw operators. The material is delivered with a fork-lift truck; a vacuum with scissor-lifting-device is then used for stock placement and feeding the material to the saw. Increase in production is possible due to streamlining the processes and shortening cycle times. Overall we found a significant pressure release on the saw operator.”

### 4. XBoB rest cut management is a solution which allows almost 100% board utilisation. What are the advantages from your perspective?

“This solution facilitates cost-effective production since XBoB acts as an interface between the rest cut storage and the cut plan optimisation. Increasing raw material prices and the wide range of materials used mean that the efficient use of raw boards is essential. This allows us to fully integrate all the raw board rest cuts into the production process. Apart from the savings on material costs, the production costs are also lowered due to the reduced effort in disposing of rest boards.”

### 5. What experience did your staff have with this concept?

“Our staff has had a positive experience working with the board handling solution. Automatic board feeding considerably simplifies board handling. XBoB automatically manages the stock and reuses rest boards. This concept is extremely flexible and allows tailored adjustments to changing production requirements. All processes, such as booking rest stock in and out, are displayed in real-time – this means there is no production delay when using rest boards.”

### 6. Have Schelling fulfilled all tasks requested?

“Schelling initially convinced us with their overall concept. After a brief start-up period, Schelling met and sometimes even exceeded our expectations. The significant increase in efficiency across the whole cutting and board handling process is impressive. We are especially pleased with the new fh 6 cut-to-size saw. The increased performance and simplified operation are particularly worth mentioning. In summary, a Schelling installation which will enable KORNMÜLLER to be even more successful in the future!”

