

Handmade paper Table

Description of the Problem

In terms of occupational therapy clients of the MIREA o.p.s. Nemošice Company manufacture hand-made paper which is consequently processed into other products



Figure 1, 2 Handmade paper and the products



Obrázek č.2 – Hotové výrobky

Up to now the hand-made paper manufacturing was performed by means of primitive pressing equipment containing two wooden plates and a heavy iron weight. Because of its big weight all the equipment had to be situated on the ground and that was connected with difficulties for clients of the center during its operation.



Figure 3 Former pressing equipment

Because of that condition and its evaluation by representatives of OU and PrŠ Chroustovice and MIREA o.p.s. Nemošice Company, which were dealing with this problem, it occurs an idea to create a new equipment in terms of the VET4D project which is supposed to perform the manufacturing procedure more easily and effectively.



Figure 4 New handmade paper table

Solution of the Problem

1. The Aim of the Project

The project was aimed to create such equipment which shall be able to simplify working activities for clients of the MIREA o.p.s. Company especially in terms of safety and hygiene at work. Because of it we have decided to implement the idea of creating a working table equipped with special washable work-top including integrated pressing equipment which shall be easy detachable. Because of that such a table can be used for other occupational therapy procedures according to current needs of clients as well.

Manufacturing of the table for hand-made paper itself was consequently implemented in terms of vocational training for students of OU and PrŠ Chroustovice, profession of joinery.



Figure 5 Students are getting acquainted with the drawings

2. Manufacturing process

- engineering drawing processing,
- measurement and truncation of raw timber,
- cutting and alignment of the timber material,
- planing and exact truncation of the particular timber parts,



Figure 6 Cutting of the timber material

- gouge, tenon jointing and assemblage of the particular timber parts,
- gluing of the particular timber parts,
- abrasion of the ready-made table wood structure, surface finish treatment,

- fixation of a special plastic work-top of the table



Figure 7, 8 Fixing of a special plastic work-top of the table

- table bolt fastening including bolting of laths supposed for storage of small sieves intended for paper drying,



Figure 9 Table bolt fastening

- manufacturing of the sieves for paper drying,



Figure 10, 11 Manufacturing of the sieves

- assembly of metal parts representing a pressing equipment itself,



Figure 12 Assembly of a pressing equipment

- leveling metal foots assembly.



Figure 13 Students check the finished table

3. Handover of the table to MIREA o.p.s. Nemošice Company

The new working table represents an advanced work aid for center’s clients, which is intended for securing of especially higher work comfort and safety. The students having participated at table manufacturing have obtained new knowledge of life and work of disabled persons who they were contacted with during their activities.



Figure 14, 15 Handover of the table

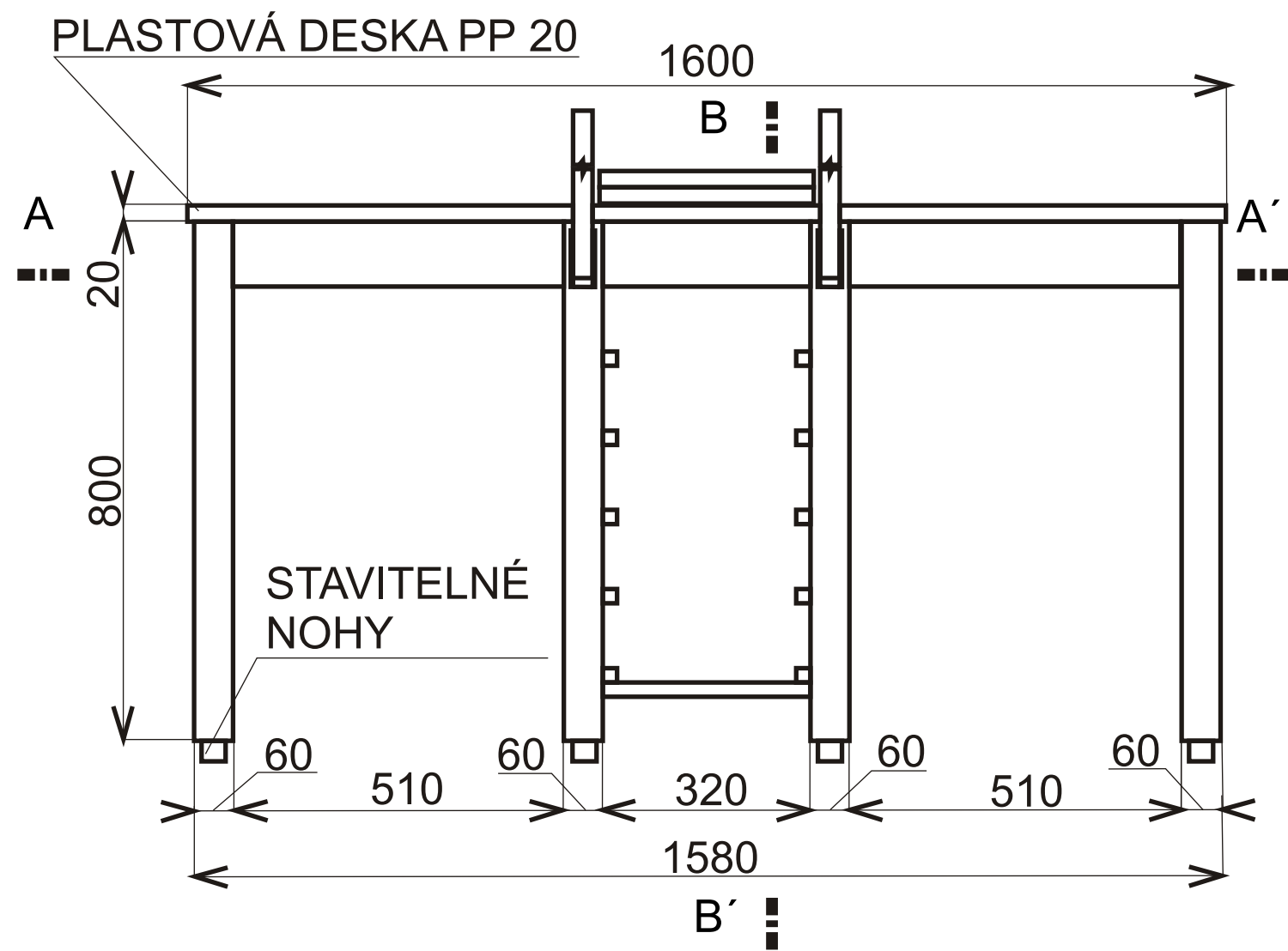
During the 4th VET4D action meeting which took place in Chroustovice from 16th to 18th November 2011 the table was handed over to the clients of MIREA o.p.s. Nemošice Company. The VET4D partners together with the representatives of the regional self government participated in this event as well.



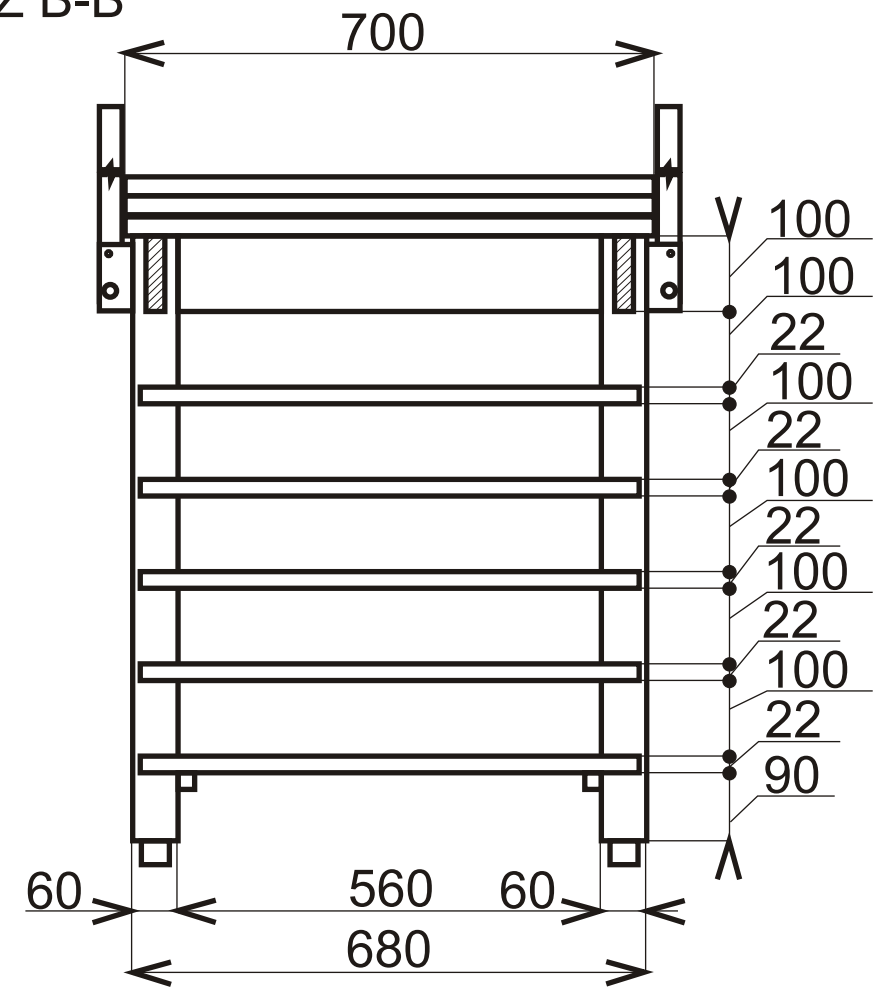
Figure 16 Presentation of handmade paper manufacturing



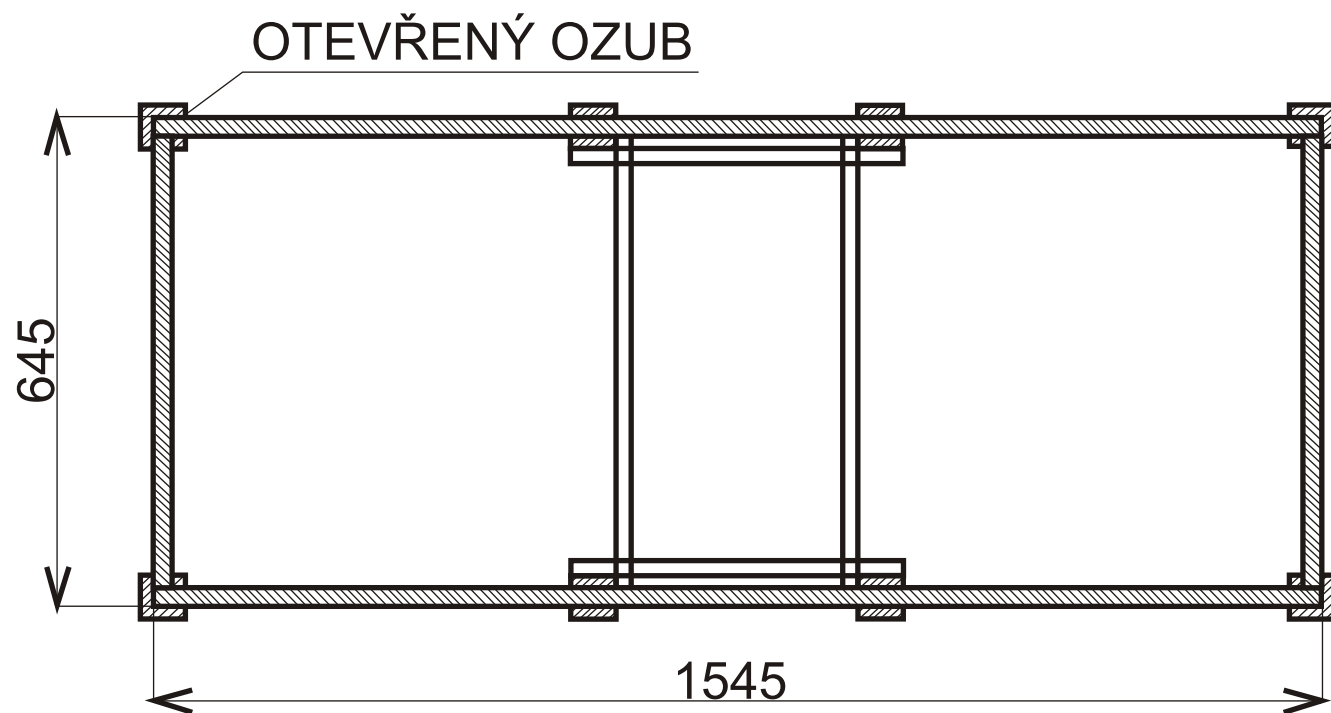
Figure 17 Participants of VET4D action meeting manufacture handmade paper



ŘEZ B-B'



ŘEZ A-A'



KRESLIL			DATUM	
Kontroloval		TŘÍDA		
Odborné učiliště CHROUSTOVICE	Stůl lisovací	MĚŘÍTKO 1 : 10	POČET VÝKRESŮ 1	VÝKRES ČÍSLO 1