bester
SKLEJKI

katalog kształtek / shapes catalogue

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kim jesteśmy?

Bester - Park Technologii Sklejki to nowoczesne centrum rozwojowe i wdrożeniowe, w którym technologia i design łączą się z rzemiosłem i pasją tworzenia.

Nadajemy kształt pomysłom, oferując obsługę 360 stopni - od badania potrzeb i konsultacji technologicznej poprzez prototypowanie, testowanie i prace rozwojowe, aż po wdrożenie i produkcję.

Posiadamy szeroki wybór gatunków drewna i metod wykończenia produktu, a także kilkaset gotowych profili ze sklejki. Z sukcesem rozwijamy innowacje takie jak: gięcie 3D, sklejka trudnopalna i wodoodporna.

Wyrazem nieustannego rozwoju naszej firmy i naszych możliwości technologicznych są produkty konsumenckie klasy premium, powstające od 2018 roku w pracowni Bester Studio.

who are we?

Bester - Plywood Technology Park is a cutting-edge centre of development and implementation where technology and design meet craft and passion for creating.

We model ideas thanks to the 360° service, starting from a needs analysis together with technological debate through prototyping, testing and progressing works, up to implementing the results and the production itself.

We posses a wide selection of timber and finishing methods, not to mention hundreds of ready-made plywood elements. We are successfully developing our innovations such as: 3D modeling, flame-retardant and waterproof plywood.

What greatly highlights our constant self-improving and technological capabilities is the fact that we design premium class products, coming from Bester Studio since 2018.

nasza wizja

Bester Sklejki jako lider w Polsce i znaczący podmiot w Europie w projektowaniu i wytwarzaniu wysokiej jakości komponentów gięto-klejonych.

Nasza firma, ma charakter rodzinny. Cenimy tu siłę ludzkich relacji, stąd też bardzo indywidualna obsługa, często realizowana przez samych właścicieli. W Bester z pokolenia na pokolenie przekazujemy miłość do pracy w drewnem. Wierzymy w rozwój będący wynikiem połączenia pasji, doświadczenia, umiejętności oraz szacunku do ludzi i przyrody. Doceniamy wagę ciągłych inwestycji, w technologię, park maszynowy, a przede wszystkim ludzi.

Partnerskie podejście do biznesu, przekłada się na rekomendacje, wieloletnich partnerów biznesowych. Dostarczamy nie tylko wysokiej jakości komponenty, ale unikalną wartość dla każdego z klientów.

bester SKLEJKI

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our vision

Bester Plywoods as a leader in Poland and a major producer of high-end bent plywood elements in Europe

Our company is of a family nature. What we believe in, is the strength of human relationships, hence very individual service, often carried out by the owners themselves.

At Bester, from one generation to another, we pass down our love for woodworking. We trust in the development resulting from the combination of passion, experience, skills and respect for people and nature. We appreciate the importance of steady investments, both in technology, machinery park and, above all, in people. A partnership approach to business translates into recommendations and long-term business partners. Not only we provide high quality components, but a unique value for each customer as well.

katalog kształtek

Główną grupę produktów firmy stanowią:
siedziska i oparcia do krzeseł szkolnych, biurowych, audytoryjnych; sklejki kubełkowe; podłokietniki; nogi i ramy krzeseł; inne elementy meblowe i wystroju wnętrz.

Oferujemy kształtki sklejkowe w różnych klasach produkowane w oparciu o wzory własne oraz kształty klientów. Do produkcji wykorzystujemy zwykle drewno bukowe i brzozowe. Możliwe jest również oklejenie kształtek fornirem dowolnego gatunku drewna lub laminatem. Wykończenie powierzchni oraz obróbka kształtek realizujemy zgodnie z wytycznymi klienta.

W katalogu prezentujemy kolekcję kształtów naszych wyprasek sklejkowych wraz z wymiarami netto oraz informacją o możliwym wariancie wykończenia powierzchni:

lakier

pod tapicerkę

laminat (CPL, HPL)

shapes catalogue

The main group of our products consists of:
seats and backrests for chairs used in school, offices, auditoriums; chair shells; armrests; chair legs and frames; other elements of furniture and interior design.

We offer moulded plywood in various classes produced using our copyrighted designs or on the basic of our customer's idea. We usually use beech and birch wood. It is also possible to finish the moulded plywood witch any chosen wooden veneer or laminate. Surface finishing and processing is carried out according to our customer's requirements.

In this catalogue, you are going to find a collection of our moulded plywood design including dimensions (net) and information about possible surface finishing option:

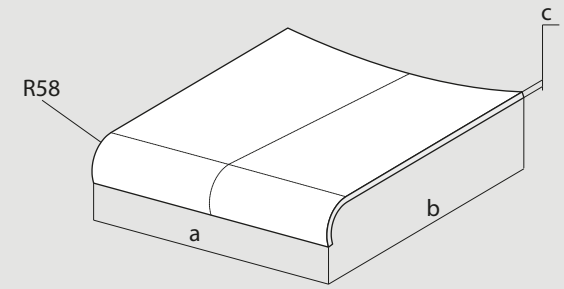
varnish

for upholstery

laminate (CPL, HPL)

FIL01

[mm]	a	b	c
max	490	460	8



IS001

[mm]	a	b	c
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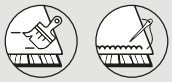

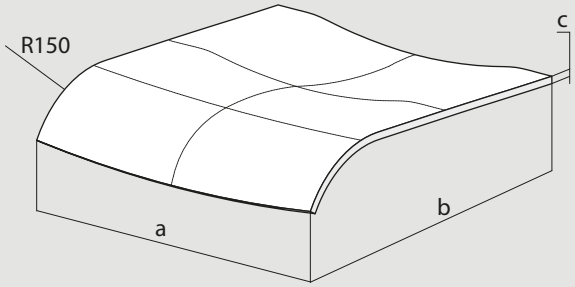

IS002

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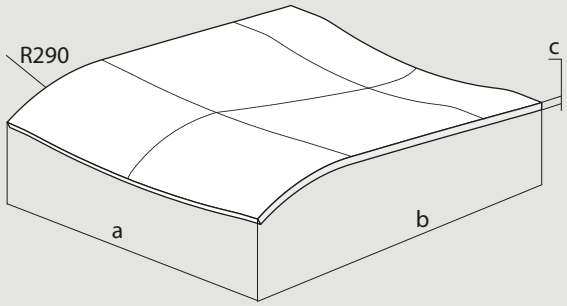

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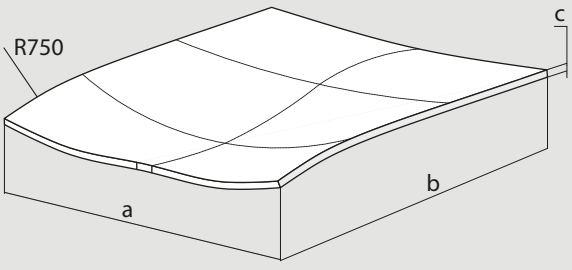
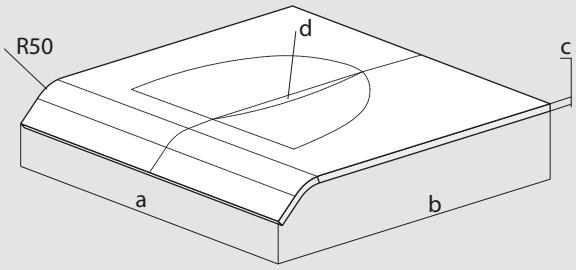


M0001



[mm]	a	b	c	d
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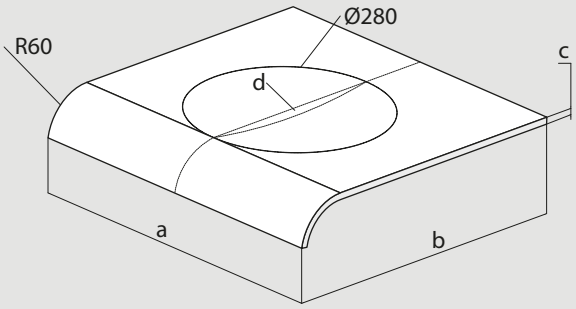
M0002



[mm]	a	b	c	d
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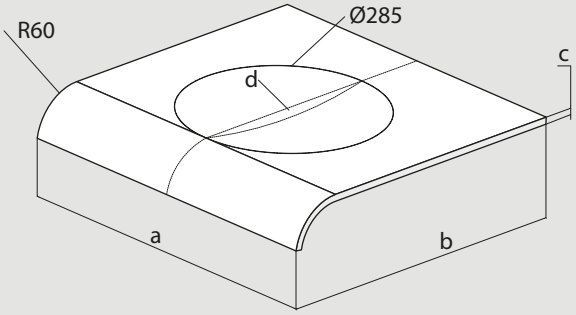
M0003



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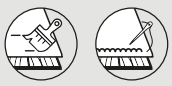

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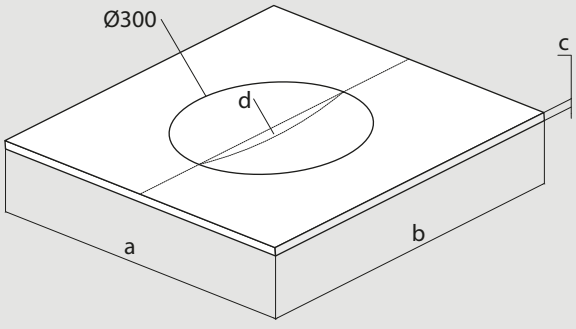

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MOD01

[mm]	a	b	c	d
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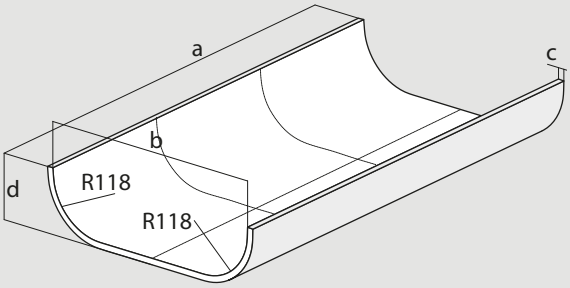
min	-	-	4	-



OKAS1

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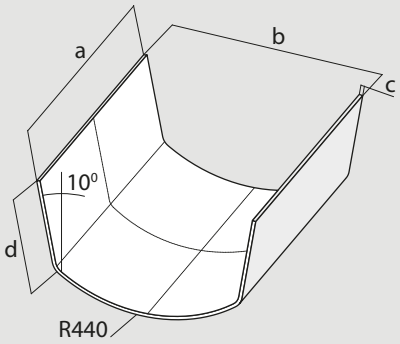

PU001

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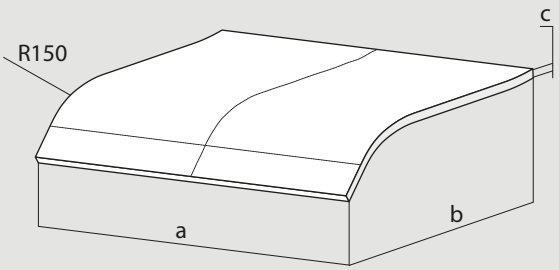

RC002

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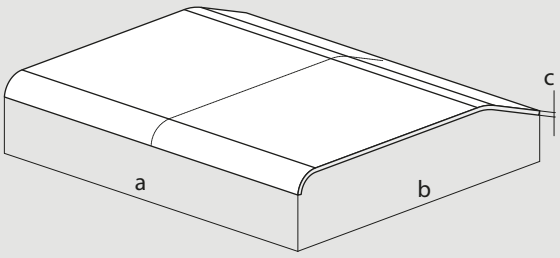
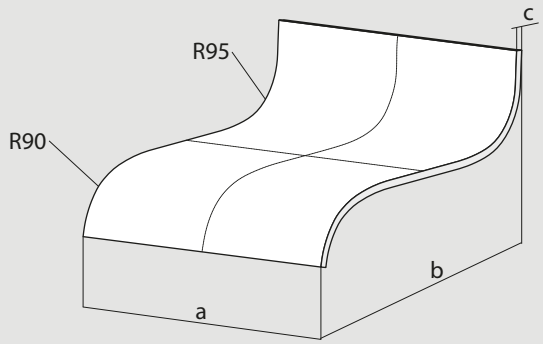


ROB01



[mm]	a	b	c
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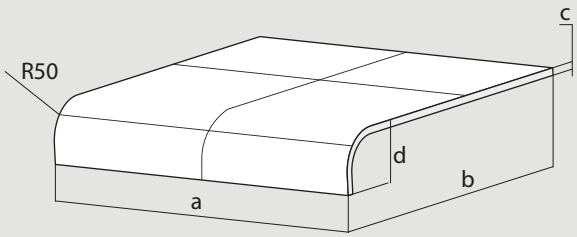
min	-	-	3

SK001



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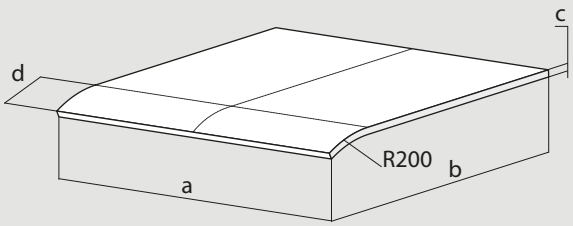
SK002



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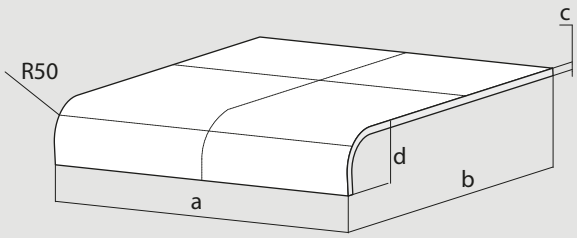
SK101



[mm]	a	b	c	d
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A0042

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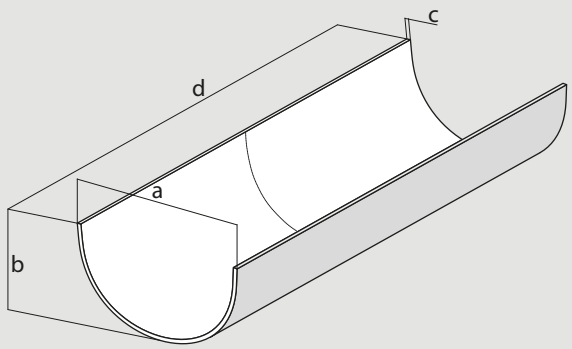

AT001

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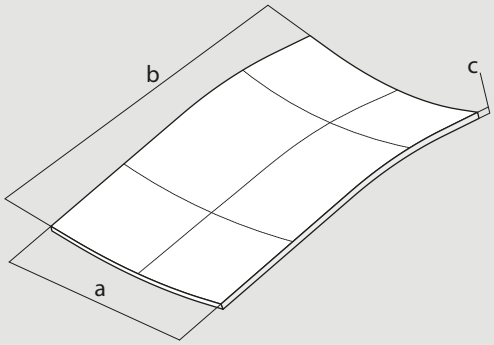

BLO01

[mm]	a	b	c	d	e
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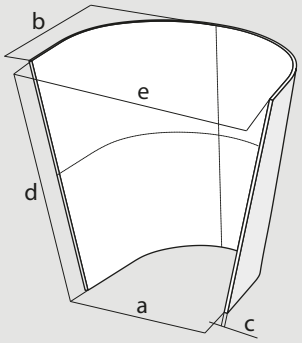

BLO02

[mm]	a	b	c	d	e
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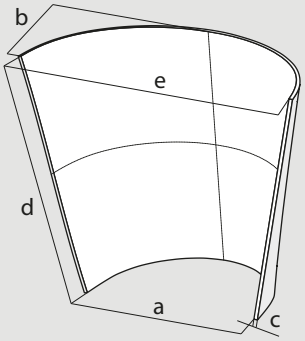
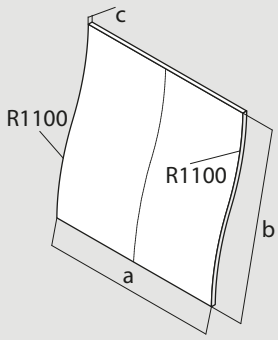


FA001



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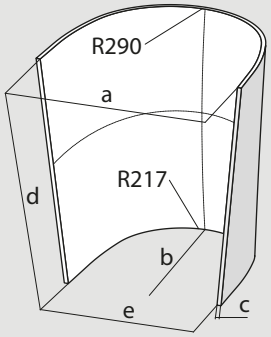
FOT01



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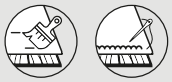
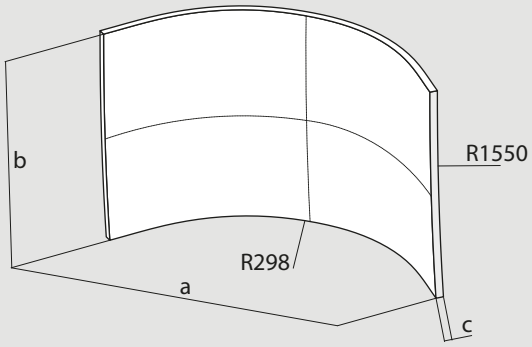


FV001



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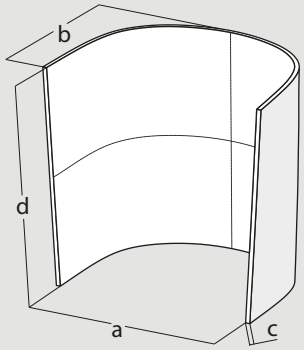
max	500	320	7

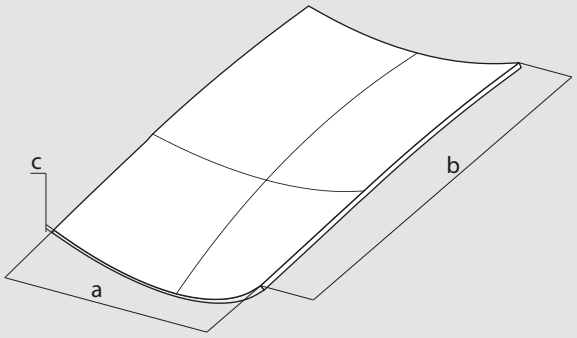
GR001



[mm]	a	b	c	d
max	470	290	10	450

IS006

[mm]	a	b	c
max	440	640	10



IS008

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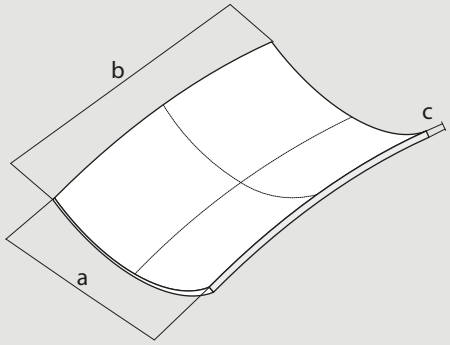

JAR01

[mm]	a	b	c	d
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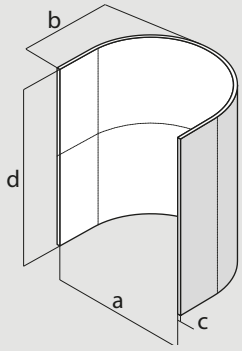

KN001

[mm]	a	b	c	d
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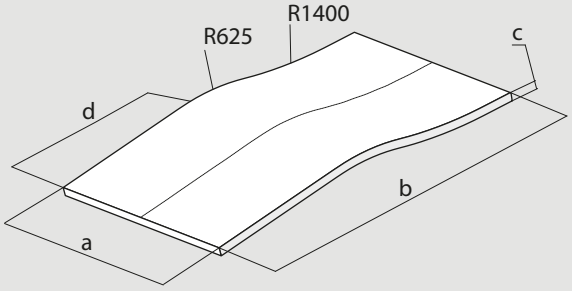
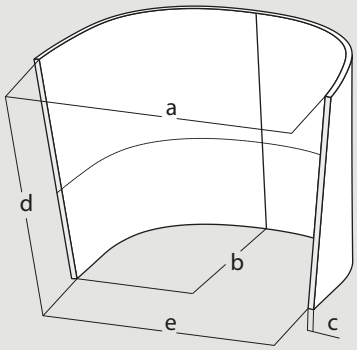


MAV01



[mm]	a	b	c	d	e
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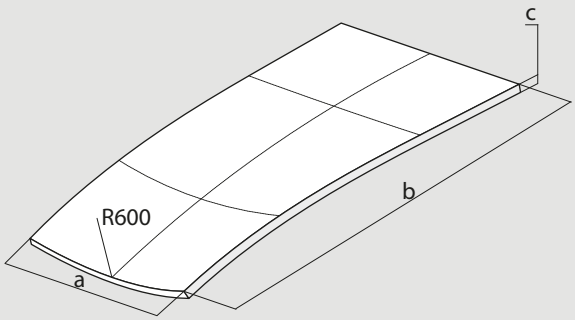
ML001



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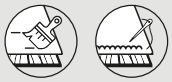

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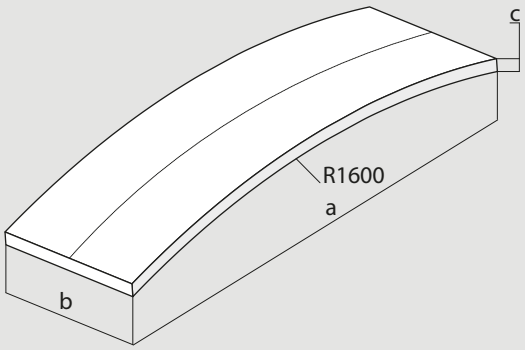

[mm]	a	b	c
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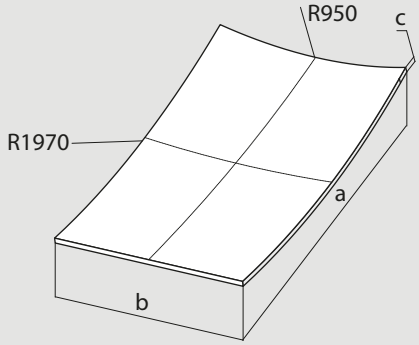
min	-	-	6

PU002



[mm]	a	b	c
max	810	580	14
min	-	-	5

PUR01

[mm]	a	b	c
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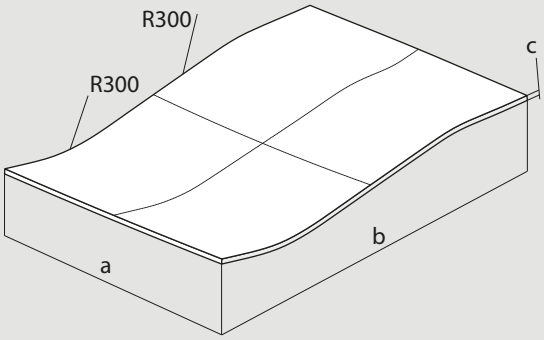

PUR02

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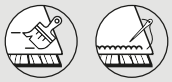
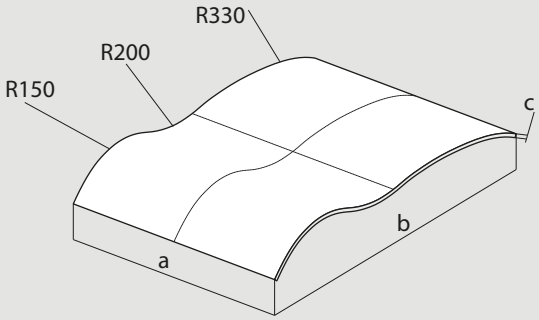
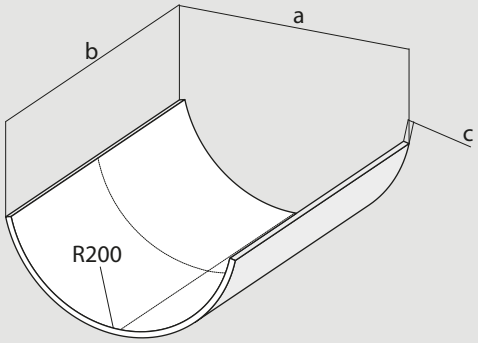




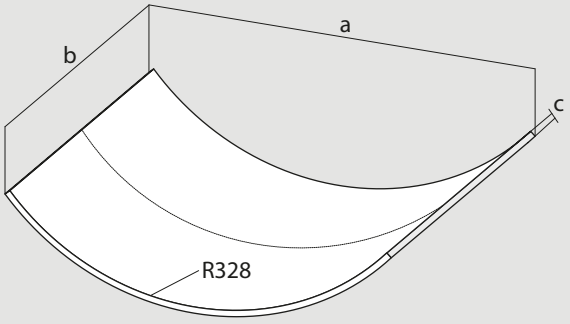
R0200

[mm]	a	b	c
max	390	570	10
min	-	-	3

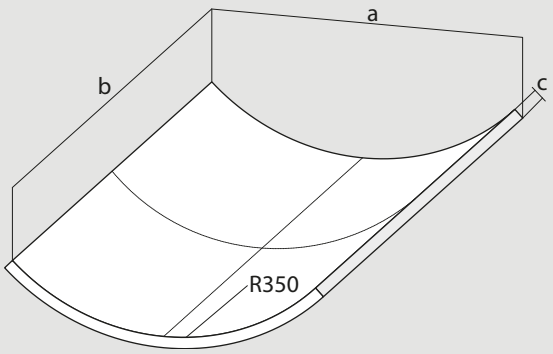


R0328

[mm]	a	b	c
max	490	490	8

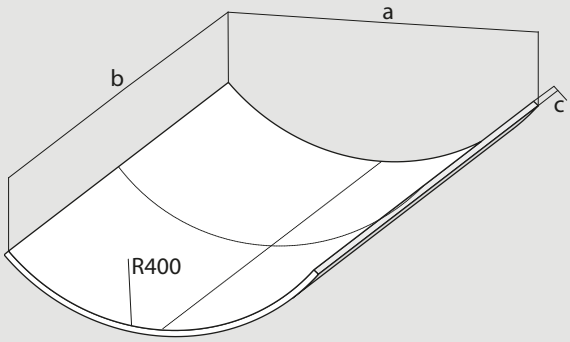


R0350



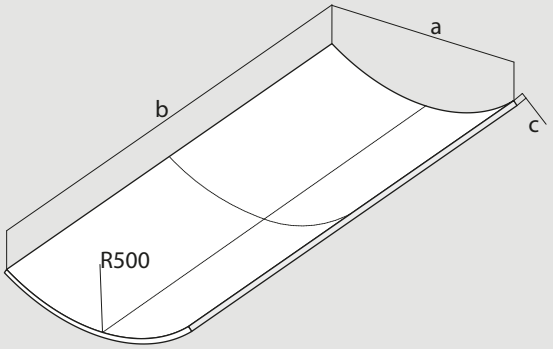
[mm]	a	b	c
max	490	1000	18
min	-	-	3

R0400



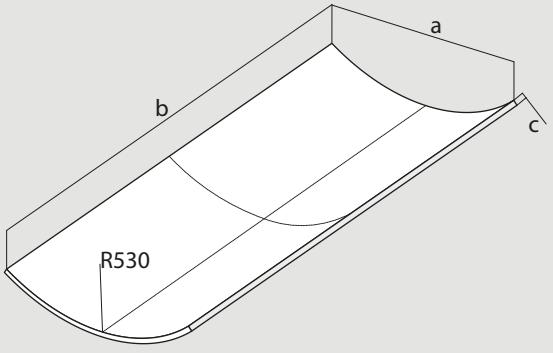
[mm]	a	b	c
max	600	1300	12
min	-	-	3

R0500



[mm]	a	b	c
max	600	1300	15
min	-	-	6
tapicerka upholstery	-	-	3

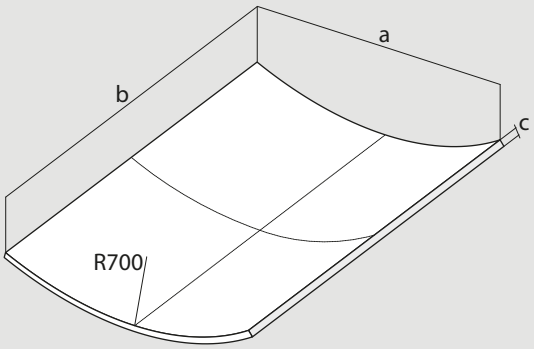
R0530



[mm]	a	b	c
max	730	1300	24
min	-	-	9

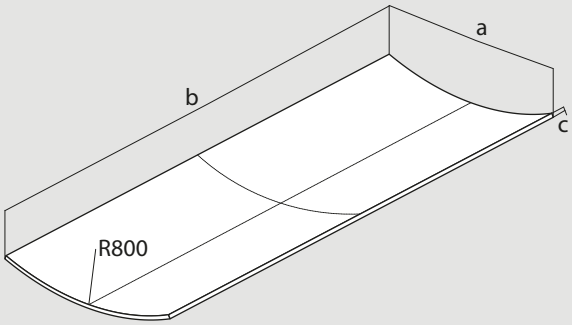
R0700

[mm]	a	b	c
max	600	750	15
min	-	-	3



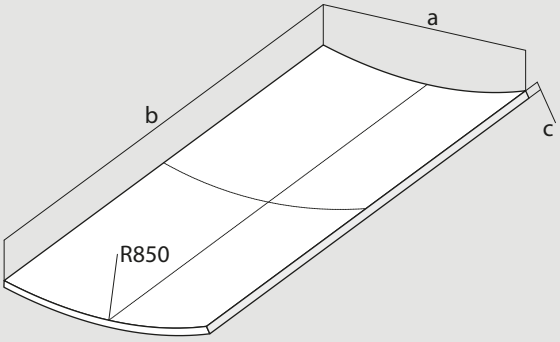
R0800

[mm]	a	b	c
max	600	1550	12
min	-	-	10



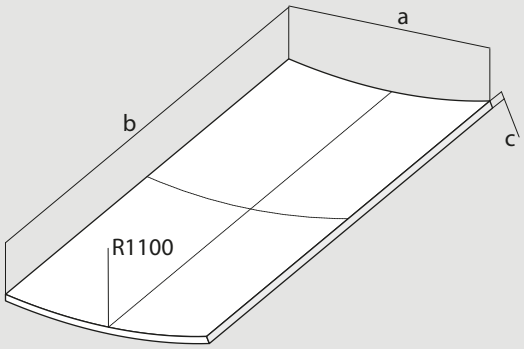
R0850

[mm]	a	b	c
max	480	900	15
min	-	-	3

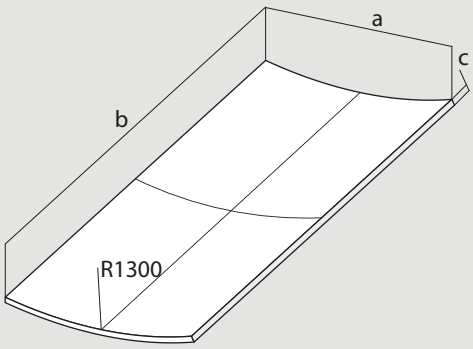


R1100

[mm]	a	b	c
max	470	900	15
min	-	-	3

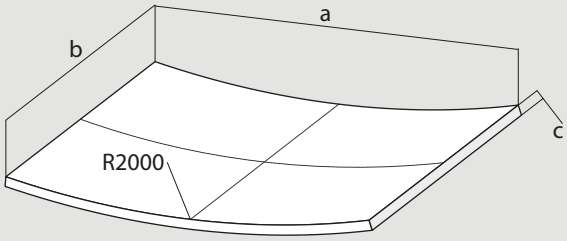


R1300



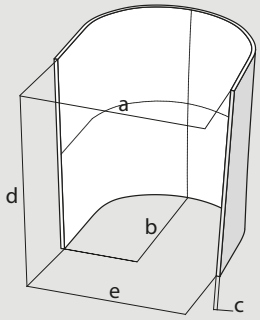
[mm]	a	b	c
max	400	800	26
min	-	-	10,5

R2000

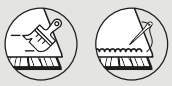


[mm]	a	b	c
max	850	600	22

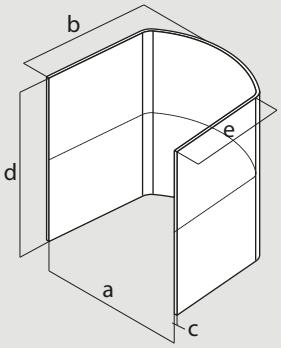
ROM01



[mm]	a	b	c	d	e
max	580	465	12	680	510



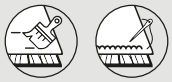
STN01

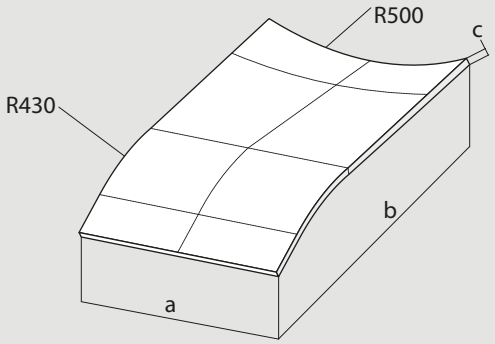


[mm]	a	b	c	d	e
max	480	400	10	520	300

WE001

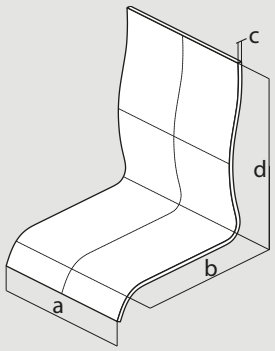
[mm]	a	b	c
max	440	720	14





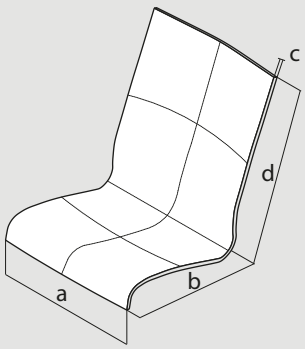
BEL01

[mm]	a	b	c	d
max	450	500	14	510



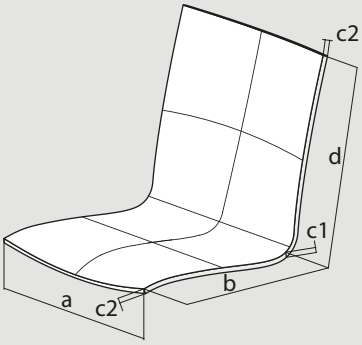
C0001

[mm]	a	b	c	d
max	480	430	10	560
min	-	-	5	-

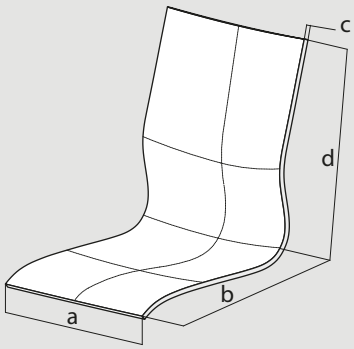


C0003

[mm]	a	b	c	d
max	500	440	12/6	460
min	-	-	3	-

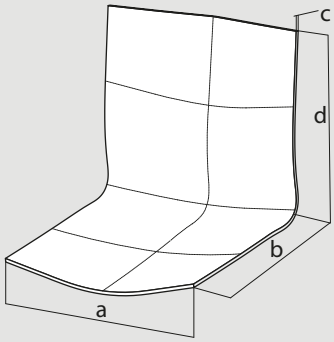


CER01



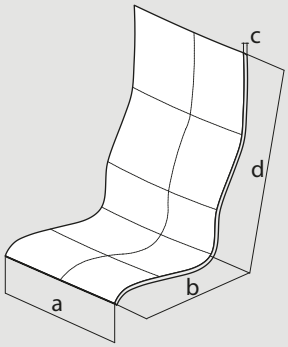
[mm]	a	b	c	d
max	470	460	12	500

CFNJ1



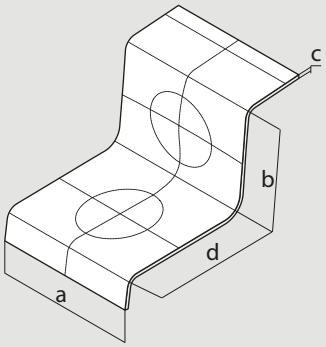
[mm]	a	b	c	d
max	460	440	10	420

JAV01



[mm]	a	b	c	d
max	520	490	12	800

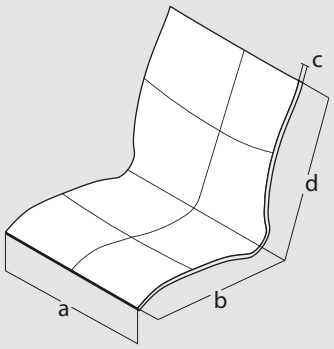
KTCH1



[mm]	a	b	c	d
max	450	310	12	390
min	-	-	9	-

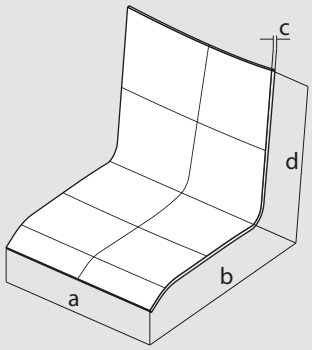
LP002

[mm]	a	b	c	d
max	440	410	12	480
min	-	-	0	-



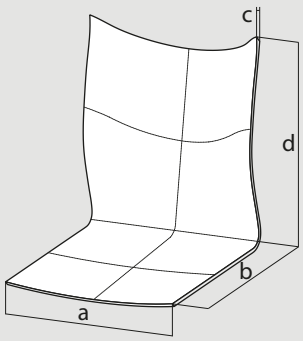
MAAF1

[mm]	a	b	c	d
max	450	400	11	400



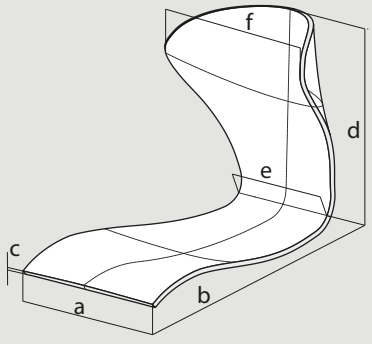
MEM01

[mm]	a	b	c	d
max	500	425	10	530

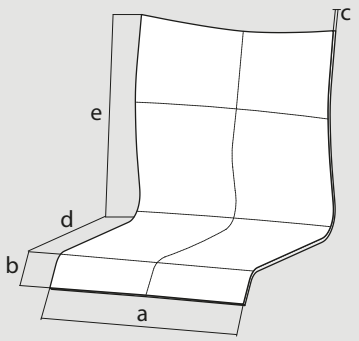


RAA01

[mm]	a	b	c	d	e	f
max	480	450	12	420	300	480

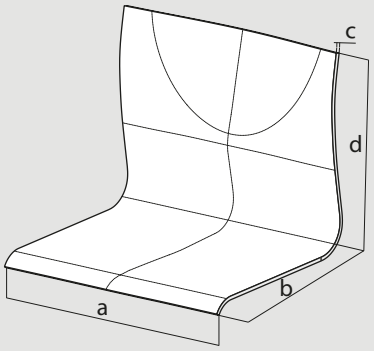


SE001



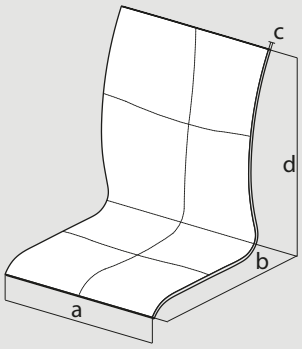
[mm]	a	b	c	d	e
max	500	80	10	430	470
min	-	-	5	-	-

SE002

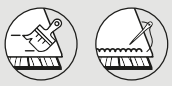


[mm]	a	b	c	d
max	480	420	9	470

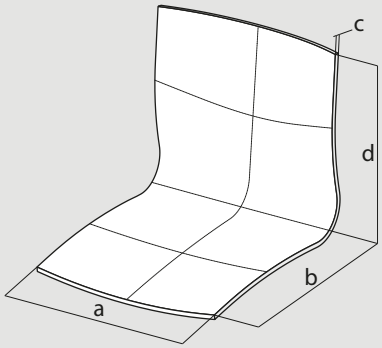
SIE01



[mm]	a	b	c	d
max	500	440	10	540



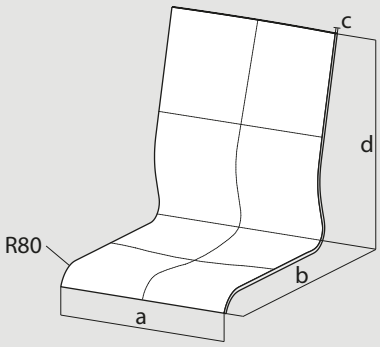
TW001



[mm]	a	b	c	d
max	460	430	10	370

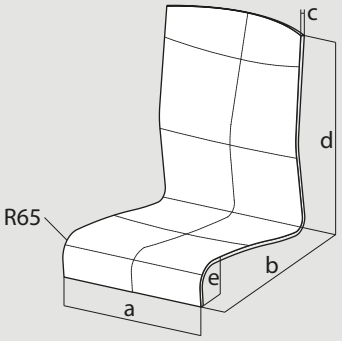
VIT01

[mm]	a	b	c	d
max	490	460	10	530



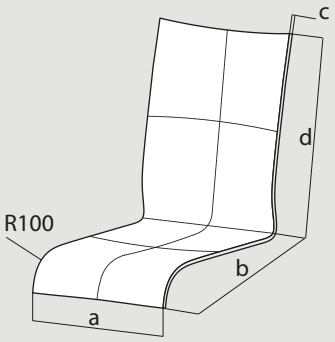
WI001

[mm]	a	b	c	d	e
max	460	450	10	500	80
min	-	-	5	-	-



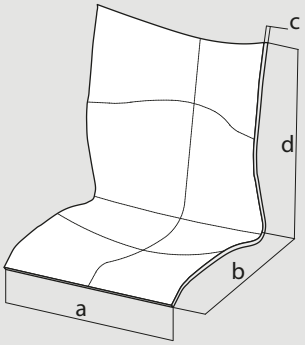
ZB001

[mm]	a	b	c	d
max	460	440	10	530
min	-	-	5	-

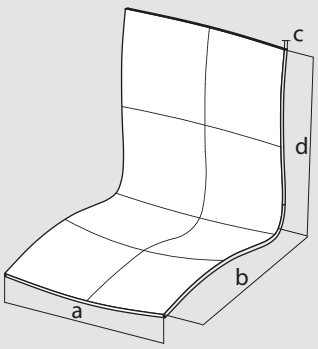


ZB002

[mm]	a	b	c	d
max	520	430	10	505

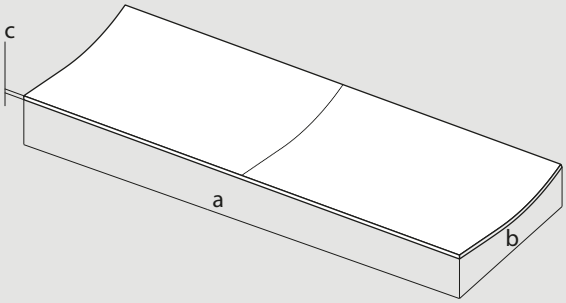


ZB003



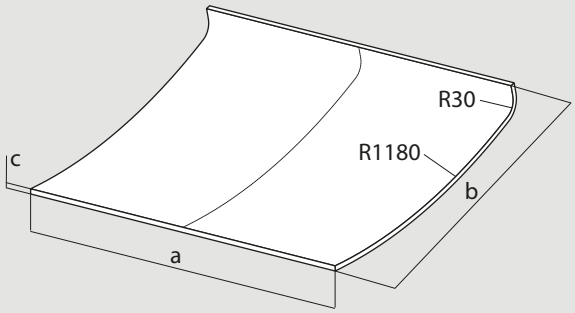
[mm]	a	b	c	d
max	500	460	10	480

BS001



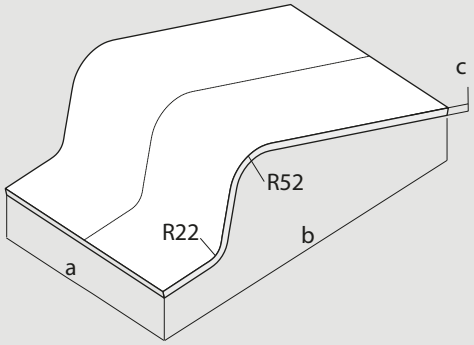
[mm]	a	b	c
max	1800	600	15

EOR01



[mm]	a	b	c
max	630	520	10

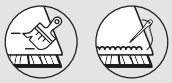
EWR01

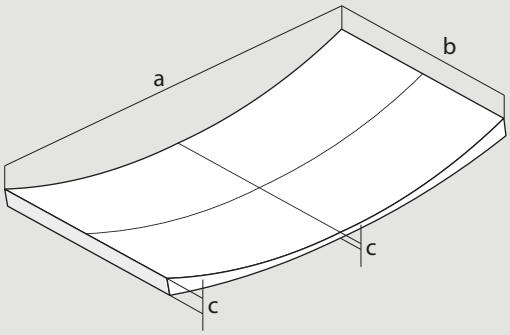


[mm]	a	b	c	d
max	250	850	10	220

FRE01

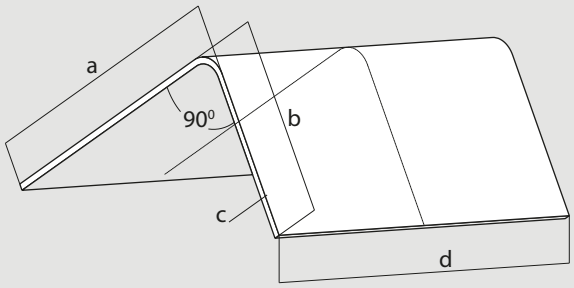
[mm]	a	b	c
min	400	800	26
max	-	-	10,5





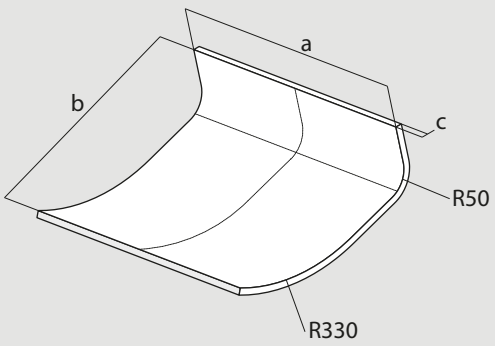
HUT01

[mm]	a	b	c	d
max	810	620	15	380



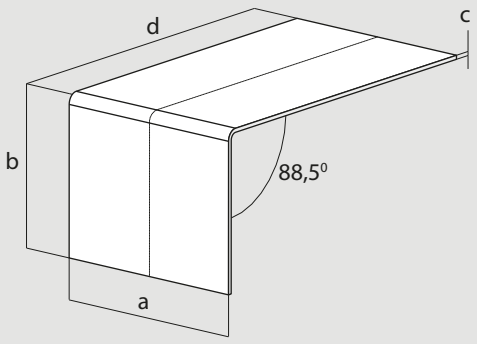
ILSZ1

[mm]	a	b	c
max	510	380	12
min	-	-	6

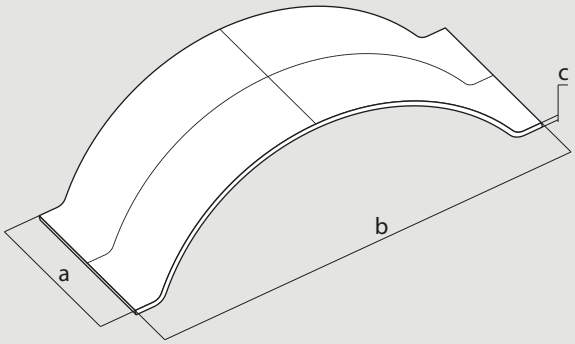


KL001

[mm]	a	b	c	d
max	460	360	8	760

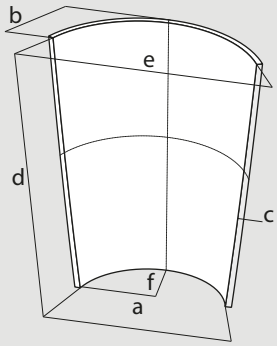


KOL01



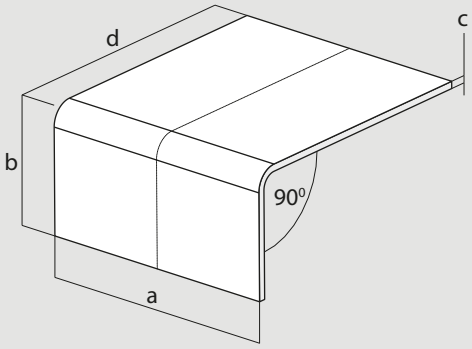
[mm]	a	b	c
max	550	1500	15

KR001



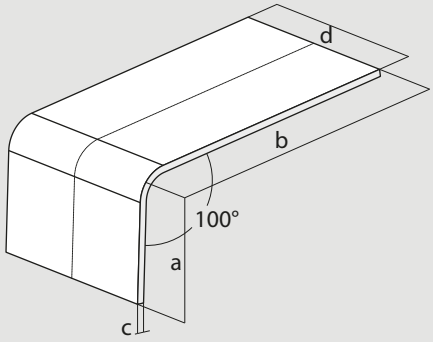
[mm]	a	b	c	d	e	f
max	260	120	12	500	280	40

L0090



[mm]	a	b	c	d
max	680	380	30	780

L0100



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L0105

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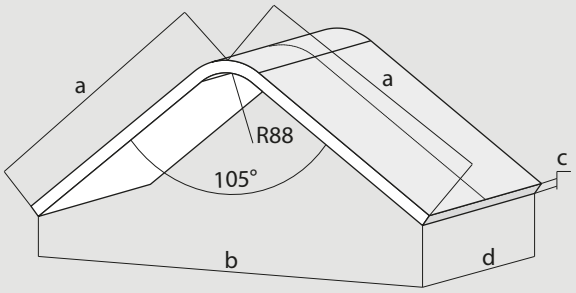

L0110

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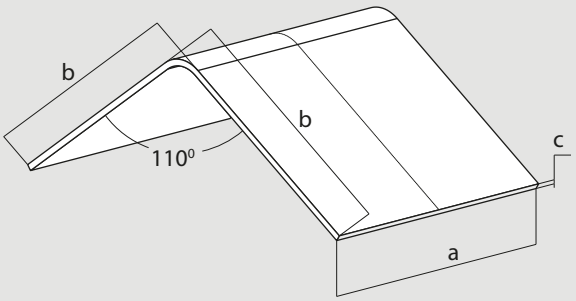

LA090

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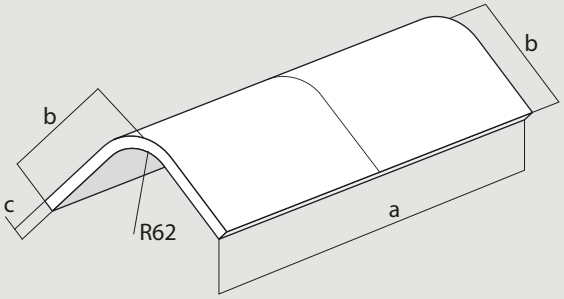

LB090

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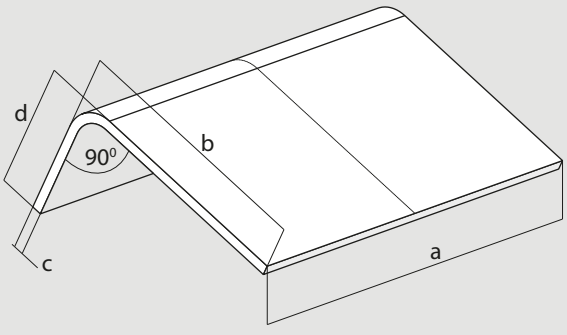

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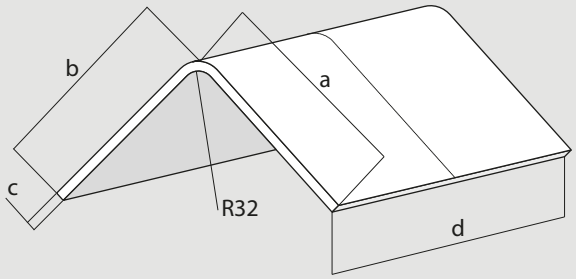

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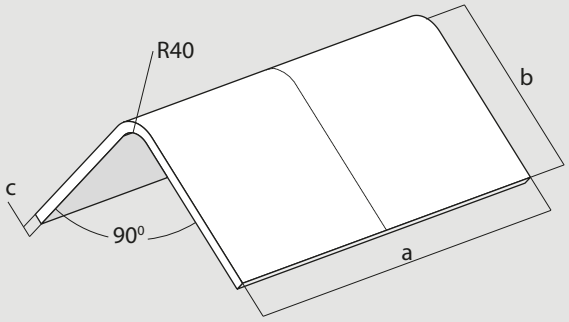
LM090



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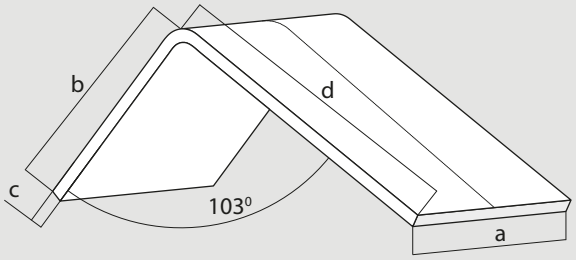
MAR01



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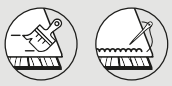
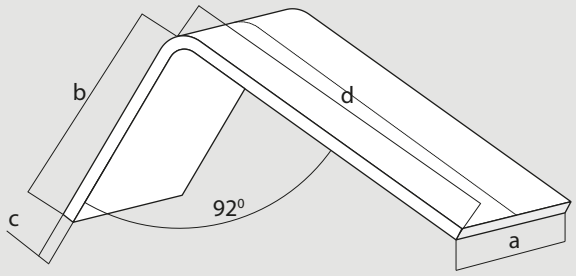


MAR02



[mm]	a	b	c	d
max	500	440	32	780

MHZ01

[mm]	a	b	c	d	e
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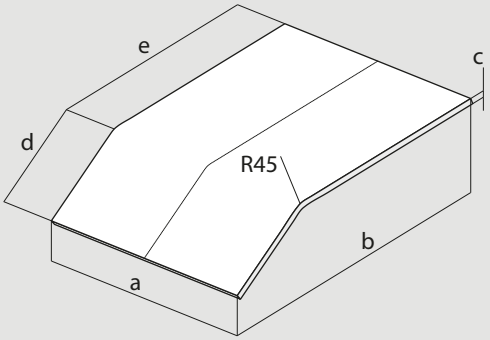

NFJ01

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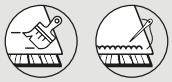

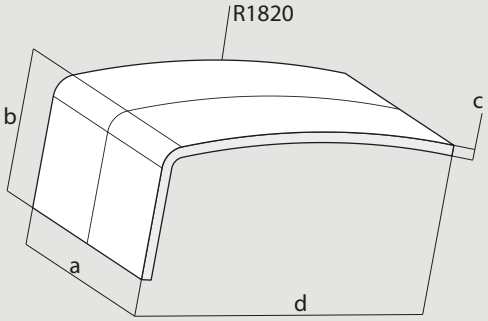

OU001

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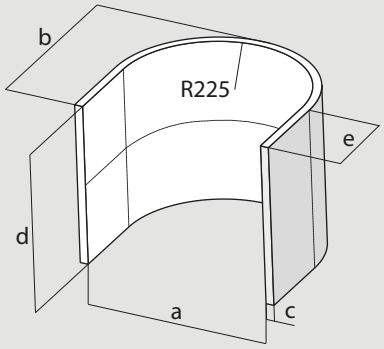

OU002

[mm]	a	b	c	d	e
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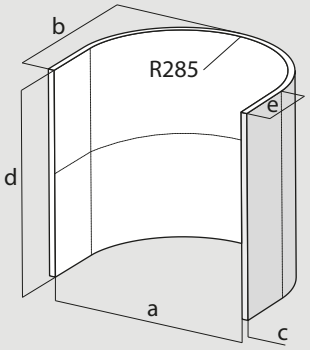
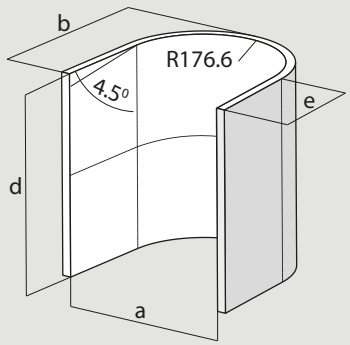


OU003



[mm]	a	b	c	d	e
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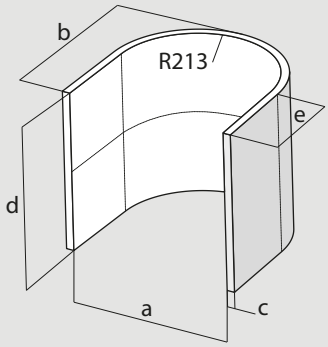
OU004



[mm]	a	b	c	d	e
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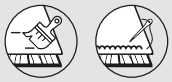
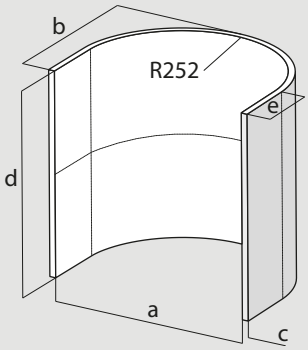


OU005



[mm]	a	b	c	d	e
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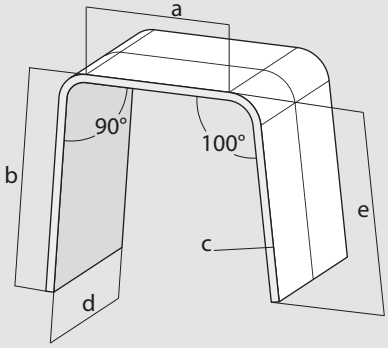
PG101



[mm]	a	b	c	d	e
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PZEB1

[mm]	a	b	c
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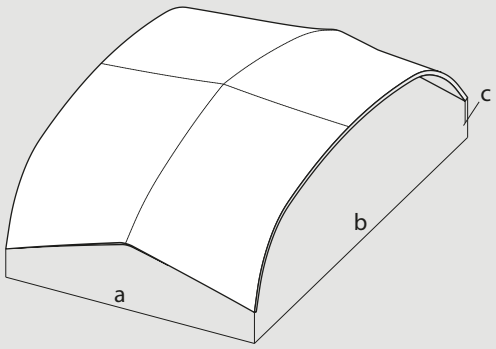

R0184

[mm]	a	b	c
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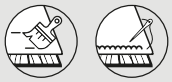

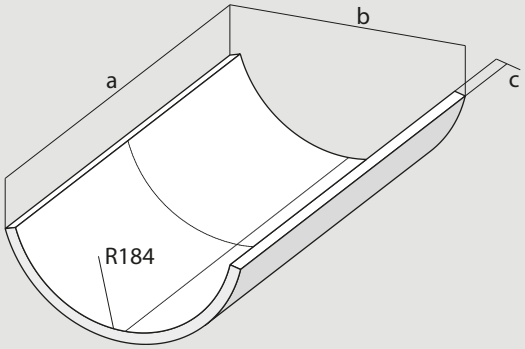

SELL1

[mm]	a	b	c	d	e	f
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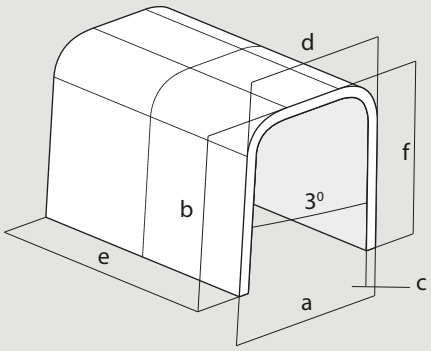
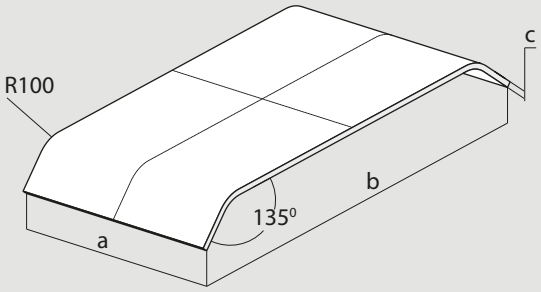
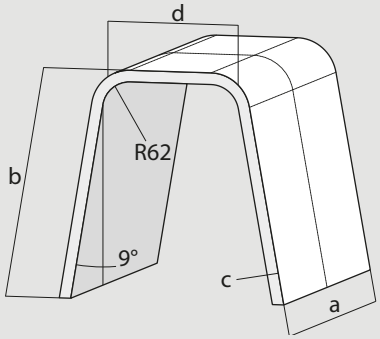


TAP01



[mm]	a	b	c
max	1100	560	15

UO100



[mm]	a	b	c	d
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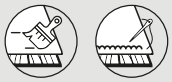
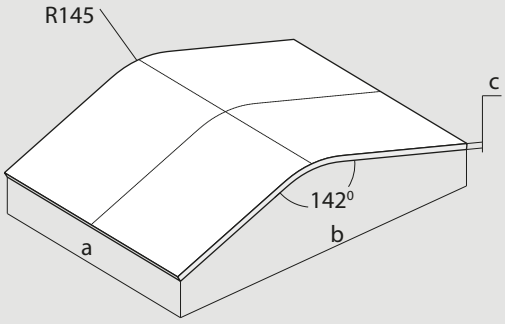


WZ002



[mm]	a	b	c
max	450	450	9

B30
D29
C29
B29
A29
A30
ODPADY

nasze usługi

our services

1 Przygotowanie projektu 3D

Niezależnie, czy Klient posiada gotowy wzór czy tylko koncepcję produktu, jesteśmy z nim od początku tej drogi. Używamy programów do parametrycznego modelowania trójwymiarowego (CAD 3D) oraz oprogramowania wspomagającego procesy wytwarzania (CAM) na obrabiarkach sterowanych numerycznie.

Wspólnie z klientem podejmujemy decyzje o sposobie wykończenia produktu (lakier wodny i poliuretanowy, bejca, olej, laminat, satynowanie, okleina, technologia naniesienia brandingu).

Konsultujemy projekt i dopracowujemy jego założenia do momentu, aż wypracujemy perfekcyjne rozwiązanie. Wierzymy, że najlepsze pomysły powstają w wyniku synergii, dlatego priorytetem jest dla nas przejrzysta komunikacja, efektywna współpraca oraz zaangażowanie.

Efekt: projekt 3D

2 Analiza wykonalności projektu

Kolejnym etapem jest analiza wykonalności projektu, za którą odpowiada Dział technologiczny wraz z Laboratorium technologicznym. Pozytywna ocena przeglądu dokumentacji projektowej pozwala na przystąpienie do sporządzenia specyfikacji techniczno - jakościowej, tj. określenia kluczowych parametrów wytrzymałościowych i jakościowych.

Efekt: wstępna dokumentacja produktu

3 Opracowanie technologii produkcji

Mając projekt konstrukcyjny, Dział technologiczny opracowuje technologię produkcji, czyli opisuje metody, narzędzia i przyrządy niezbędne do powstania produktu. Na tym etapie, współpracujemy ściśle z projektantem lub działem technicznym Klienta w celu doprecyzowania szczegółów projektu.

Efekt: opis sposobu wytwarzania

1 Preparation of a 3D project

Whether a customer has a finished model or they have only a concept of the product, we shall assist from the very beginning of the road. We use technical software for displaying the 3D modeling (CAD 3D) and Computer Aided Manufacturing processes (CAM) on numerically controlled machines.

Together with the customer we make decisions on how to finish the product (water paint and polyurethane, wood stain, oil laminate, satining, sliced veneer finish, pellet branding).

The project is being consulted, developed and improved until we receive a perfect solution. We believe that the best ideas are created as a result of synergies, therefore the top priorities for us are clear communication, effective cooperation and involvement.

The result: a 3D project

2 Viability analysis

The next step includes the analysis of the viability of the project. Our Technological Department together with Tech Laboratory take part in this very important matter. A positive assessment review of design documentation serves as a green light for drawing up technical-qualitative specifications i.e. an identification of key parameters in endurance and quality.

The result: an initial product documentation

3 Development of production technology

Having a complete project design, the Technological Department develops production technology, i.e. describes methods, tools and instruments necessary for the product. At this stage, we are working closely with the designer or even the customer's Technical Department in order to refine the details of the project.

The result: a description of producing methods

4 Kompletacja dokumentacji konstrukcyjnej i technologicznej

Dział konstrukcyjny wraz z Działem technologicznym przygotowuje pełną dokumentację produktu, projektuje formy, potrzebne oprzyrządowanie oraz programy do obróbki CNC.

Efekt: pełna dokumentacja produktu w formie rysunku wraz z parametrami konstrukcyjnymi i charakterystykami technologicznymi

5 Przygotowanie analizy jakościowej

Na podstawie dokumentacji konstrukcyjnej i technologicznej Dział Zapewnienia Jakości przygotowuje opracowanie wytycznych kontroli oraz specyfikuje przyrządy i metody pomiaru. Przeprowadzamy analizę ryzyka potencjalnych zagrożeń jakościowych dla wyrobów, począwszy od dokumentacji poprzez oprzyrządowanie, szablony, formy, technologię i użyte materiały do produkcji.

Efekt: strategia kontroli jakości

6 Przygotowanie produkcji

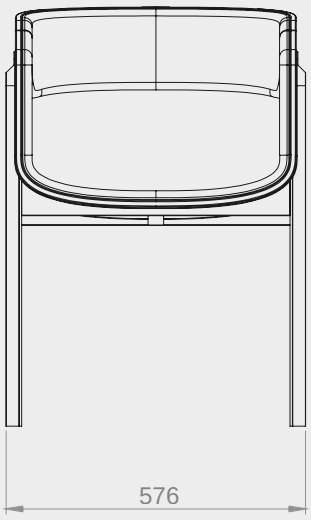
Na tym etapie Dział przygotowania produkcji wykonuje formy w oparciu o dokumentację konstrukcyjną i technologiczną. Dział technologiczny przygotowuje także wszelkie przyrządy i dodatkowe materiały potrzebne do zrealizowania projektu.

Efekt: wykonanie form i oprzyrządowania obróbczego

4 Assembling the design and technology documentation

The departments of Construction and Technology prepare a full product documentation, they design forms, tools and software required for the CNC processing.

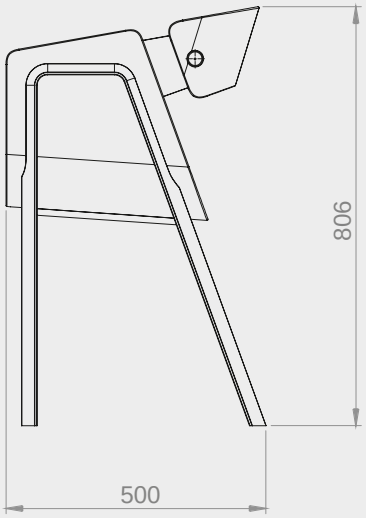
The result: a complete product documentation in the form of a drawing, combined with the parameters of the design and the characteristics of the technology



5 Preparation of quality analysis

On the basis of the technical documentation and the Quality Assurance Department prepares the development of control guidelines and specify instruments together with measurement methods. We carry out a Risk Analysis of the products' quality, starting from the documentation by instruments, templates, forms, technology and materials used for the production.

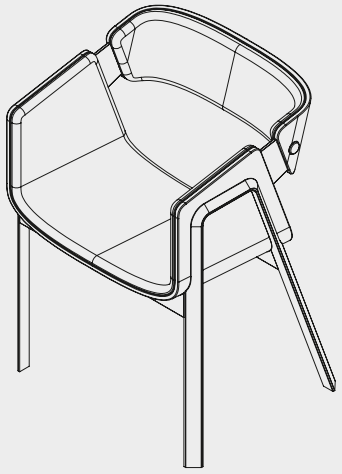
The result: QA strategy



6 Preparation of production

Afterward, a proper department prepares specific forms, depending on the construction and technological documentation. Then, the Technological Department develops all instruments and additional materials needed to complete the project.

The result: an execution of molds and processing instrumentation



7 Prototypowanie i kontrola jakości

Dział przygotowania produkcji tworzy prototyp, ściśle odtwarzający pełny zakres funkcjonalny i estetyczny wyrobu. Dzięki temu, jesteśmy w stanie zweryfikować założenia konstrukcji, jakość wykończenia i wytrzymałość zgodnie z opracowaną strategią kontroli jakości, jak również mieć pewność, że produkt spełnia oczekiwania Klienta. W przypadku jakichkolwiek niezgodności, analizowane są przyczyny oraz są wprowadzane poprawki w odpowiednich sektorach procesu, aż do momentu uzyskania efektu satysfakcjonującego klienta.

Efekt: Prototyp, raport jakości oraz uruchomienie pierwszej partii

8 Wdrożenie do produkcji seryjnej

Nasz Park maszynowy to kompleksowe centrum produkcyjne, zaopatrzone w najwyższej klasy oprzyrządowanie. Zanim zaczniemy pracować w gotowym materiale, najpierw selekcjonujemy i przygotowujemy surowiec (doły parzelniane, linia łuszczarska, suszarnia).

Nasza ekologiczna kotłownia posiadająca filtry powietrza, pomiar emisji CO2 oraz tlenu, utrzymuje stałą temperaturę 900 stopni na palenisku, przez co dbamy o ekologię. Elektroniczne sterowanie zapewnia stabilność procesu parzenia drewna, suszenia i klejenia na prasach. Posiadamy ich aż 20 i wykorzystujemy w ich pracy zarówno wodę, jak i prąd o wysokiej częstotliwości. Cztery 5-osiowe centra obróbcze Pade Spin sterowane numerycznie pozwalają przygotować najbardziej skomplikowane profile i uzyskać 100-procentową powtarzalność wyrobu. Szlifowanie oklein nawet tak cienkich jak 0,6 mm nie stanowi najmniejszego problemu dzięki specjalistycznej szlifierce szerokotaśmowej. Zaawansowana technologia w rękach utalentowanych rzemieślników i pasjonatów to ten moment, w którym niemożliwe staje się możliwe.

Efekt: produkt gotowy do wykończenia

7 Prototyping and quality control

The Production Preparation Department creates a prototype, closely simulating the full functional and aesthetic range of product. So we are able to determine the assumptions of a given design, finishing quality and strength in accordance with the developed quality control strategy as well as to ensure that the product meets the expectations of the client. In the event of any inconsistency, we analyze the causes and we implement every possible amendments in the relevant process sectors until satisfactory results.

The result: a prototype, quality report and the launch of the first batch

8 Implementation to series production

Our machinery park is a comprehensive production center with the highest class instrumentation. Before we start a work in the finished material, first we select and prepare a raw material (steam pits, veneering line, drier).

Our eco-boiler rooms equipped with air filters and systems responsible for CO2 and oxygen measurement maintain a constant temperature at 900 degrees on the hearth, all that make us environmentally friendly. Owing to the electronic control we are certain of the stability of the wood brewing process, drying and bonding on presses. With a total number 20 of these, we can apply both water and high frequencies in their work. Four 5-axial, numerically controlled Pade Spin machining centers are prepared for the most complex profiles and allow us to receive the 100-percent repeatability of the product. Sanding sliced veneers even as thin as 0.6 mm is a breeze with our wide belt polisher. Advanced technology in the hands of talented craftsmen and enthusiasts is the point where the impossible becomes possible.

The result: a product ready to finishing touches

9 Zindywidualizowane wykańczanie wyrobów

Proces wdrożeniowy zamyka indywidualizacja, w ramach której oferujemy możliwość wykończenia wyrobu zgodnie z preferencjami klienta. Obejmuje ona m.in. wybór: lakierów wodnych i poliuretanowych, bejc, olejów, laminatów, patynowania, oklein i technologii znakowania. Na tym etapie zapada także decyzja dotycząca rozwoju produktu np. poprzez stworzenie innych wersji produktu na tym samym oprzyrządowaniu lub stworzenie rodziny produktów.

Efekt: produkt klasy premium

9 Personalized finishing of products

The process of deployment is closed with the individualization within which we offer the opportunity to finish the product in accordance with the client's preferences. This includes a selection between: aqueous and polyurethane paint, wood stains, oils, laminates, patination, veneers and marking technology. This stage also includes the decision concerning the product's development e.g. through creating another version of the product while using the same equipment or the creation of a whole product family.

The result: a premium class product

zapraszamy do kontaktu

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