

ENERGOTECHMASH

AKRON HOLDING
akron-holding.ru

AKRON

ALUMINUM CLUSTER

ALFA GROUP

- The plant manufacturing products of aluminum is located in village Mashkovo, Moscow Region. Its main line of business is to process non-ferrous scrap.
- High-tech equipment makes it possible to produce aluminum ingots in various forms, wire rod for steel deoxidation and electrical aluminum wire rod

ENERGOTECHMASH

- The Energotekhmash aluminum profile factory is located in the city of Zhigulevsk, Samara Region.
- Energotechmash produces up to 25 thous. tons of aluminum profile per year.

ETM Plant history

ENERGOTECHMASH

- In 1953, an independent enterprise was established on the basis of the repair shops of the right-bank machinery and repair plant, which repaired equipment and machinery for the construction of hydroelectric power stations.
- In the late 1970s, the company arranged the production of building envelopes from aluminum profiles.
- In 1993, the company was transformed into Energotechmash.
- In 2005-2008, the plant equipment was largely modernized.
- In September 2019, ETM plant (VMK) became part of Akron Holding.



ENERGOTECHMASH today

ETM OOO occupies:

- The land area - 267 thous. m²
- The area of buildings and structures - 90 thous. m²
- Production capacity of ETM OOO (per year) by its business lines

Business line:

Aluminum production:

- Uncoated aluminum alloy profiles, u/c - 14 thous. tons
- Aluminum profiles with a polymer coating, p/c 3.6 thous. tons
- Auto components and parts from aluminum alloys, including assembled - 3.4 thous. tons
- Press production:
- Stamping products from fine-sheeted rolled metal (f/m) - 10 mln. pcs

The number of personnel of ETM: 490 people/





ENERGOTECHMASH Aluminum production

The main equipment manufactured by

ALUMINIUM TREVISAN COMETAL SPA (Italy):

- Press 1100 TF
- Press 1320 TF
- Press 3300 TF

Used aluminum alloys:

6060, 6061, 6063, 6082, АД0, АД1, АД31, АД33, АД35 – in various delivery conditions;

Linear weight

From 0.2 kg to 14 kg;

Diameter of the circumscribing circle

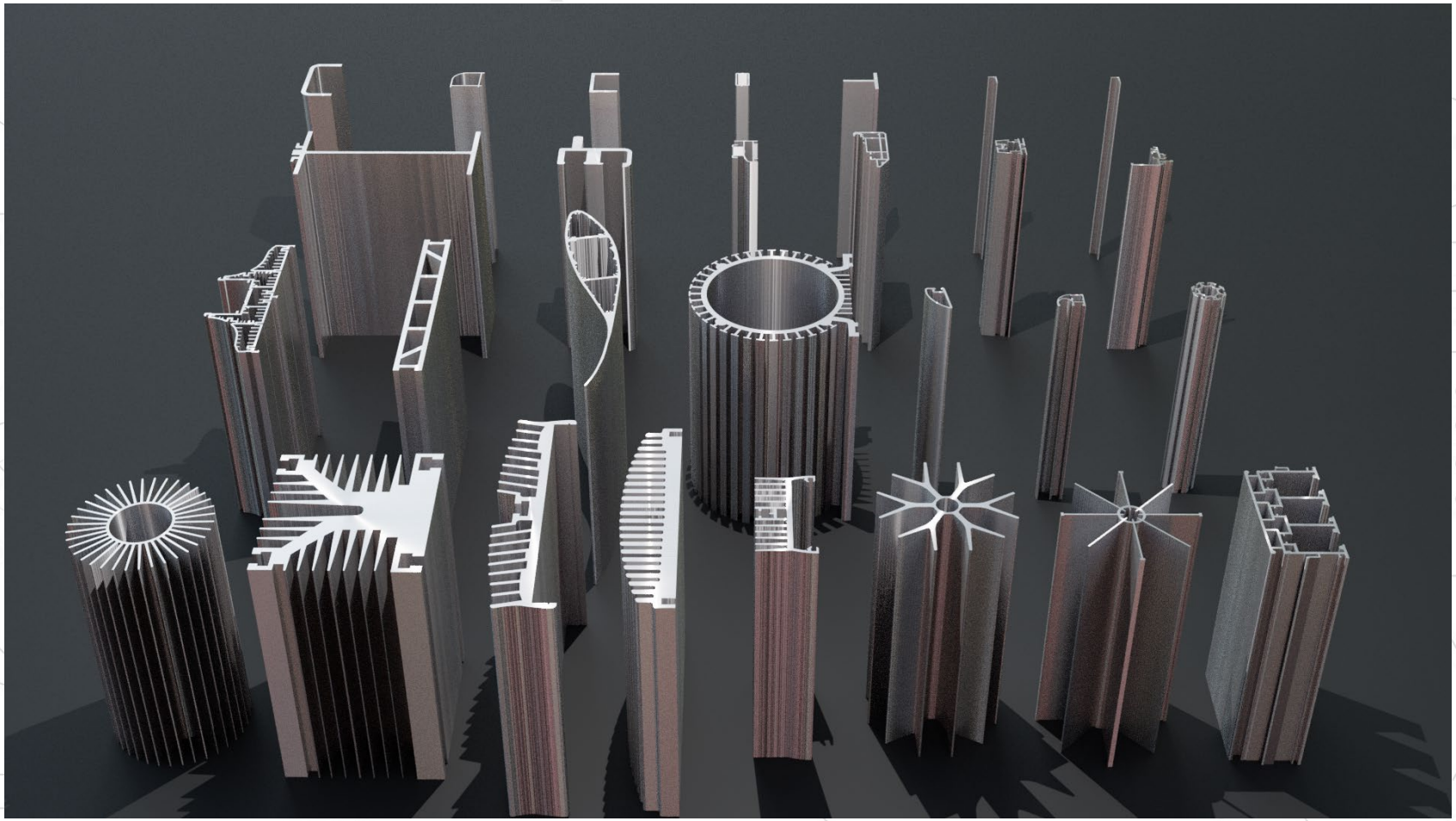
From 10 mm to 400 mm

Profile length

From 2.0 m to 15.0 m



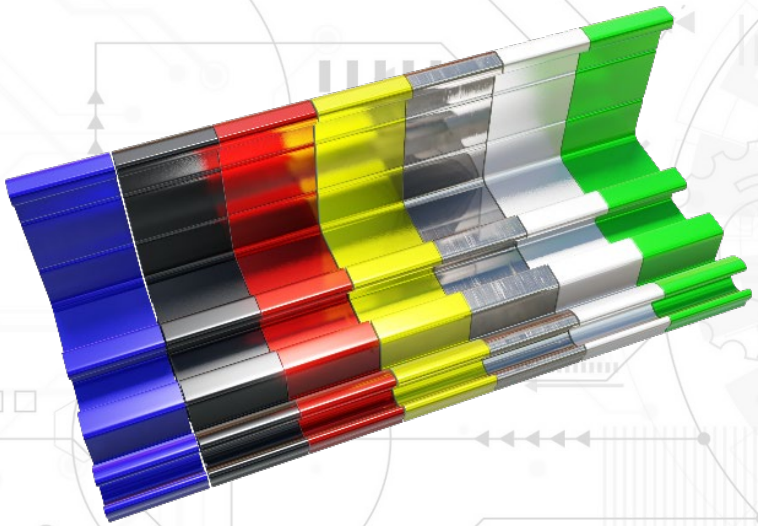
Production of aluminum profiles of various complexity categories



ENERGOTECHMASH Painting

HORIZONTAL AND VERTICAL COLORING LINE

- As requested by the customer, the profile can be painted with powder **paints according to the RAL table**
- High quality coating is certified by **QUALICOAT.**





ENERGOTECHMASH. Matrix production



The company uses a **matrix tool** both of its own production and of leading European enterprises.

Mold-forming **tooling elements** are made of high-quality tool steel from leading international manufacturers (KIND & Co., EDELSTAHLWERK, BOHLER UDDEHOLM).

Modern electroerosion equipment produced by CHARMILL and metal-cutting equipment produced by MICRON is used to **manufacture the matrix tool.**

In order to **increase the wear resistance** and service life of **matrix sets**, the company carries out their primary nitriding using a modern COFI furnace (Italy).

ENERGOTECHMASH Applications for our products

Oil and chemical industry:
Pipes, manifold
Heat exchangers
Radiator cooling systems
Structural components
Other

Standard profile:
Bar
Square
Pipe Corner
Channel
Tire, Strip
U-shaped
T-shaped

Furniture systems:
Sliding door wardrobes
Decorative elements
Furniture fittings
Other

Engineering and transport:
Railway transport
Automotive
Aviation
Special machines
Shipbuilding
Machine tool building and equipment
Instrument radiator cooling system
Machines and mechanisms
Heat exchangers
Instrument housing
Other

Consumer and household items:
Sports, Tourism
Shower units
Greenhouses
Other

Professional, household tools:
Tool components
Formwork
Guide bars
Stairs
Other

Trading, advertising and exhibition systems:
Advertising structures
Trading and exhibition systems

Electrical products:
Lighting fixtures
Transformers
Substations
Solar panels
Cable ducts
Bus lines, current-conducting wire
Instrument radiator cooling system
Other

Building purpose:
Curtain walls
Ventilated facades
Windows
Doors
Partitions
Roll-down systems
Sliding systems
Supporting structures
Mosquito profile
Building envelopes
Gate
Structural components
Finishing and decorative materials
Ventilation
Other

ENERGOTECHMASH
Application of products in construction

- Curtain walls
- Ventilated facades
- Windows
- Doors
- Partitions
- Rolling and sliding systems
- Load-bearing elements and other









ENERGOTECHMASH
Construction facilities

Our profile was used at many modern construction sites, from sports (for the Spartakiad in Kazan and Olympic facilities in Sochi), residential complexes, shopping and business centers to industrial facilities.

Below are some facilities that use our profile.

- Olimpiyskiy Stadion
- The Moscow International Business Center (Moscow-City)
- Shuvalovskiy residential buildings
- Novogorsk Olympic Village residential buildings
- TC Aviapark
- CODEMA SYSTEMS greenhouses
- Business Center "Academic" and many others.











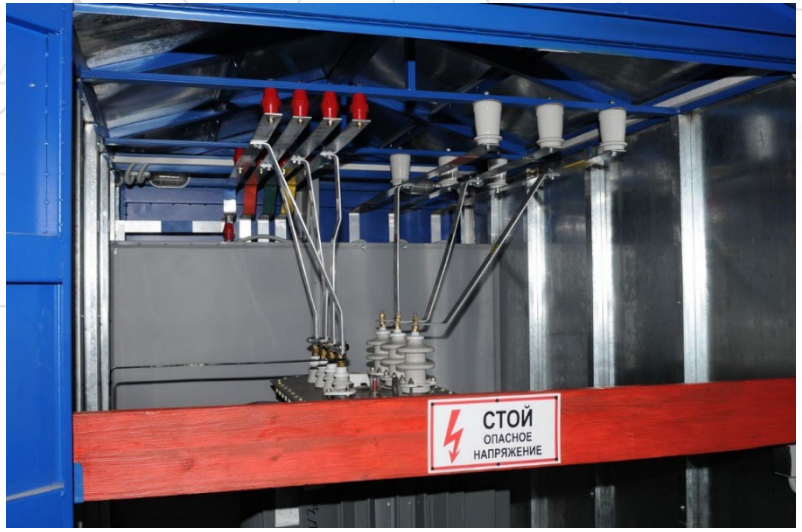
ENERGOTECHMASH
Application of products in electrical engineering

- Solar panels
- Industrial and household lighting
- Transformers
- Cable ducts
- Standard profile, busbars, current-conducting wire, etc.
- Instrument radiator cooling system and more









ENERGOTECHMASH
Application of products in consumer goods

- Sports and tourism
- Greenhouses
- Furniture
- Trading and office equipment
- Shower units and more











ENERGOTECHMASH
Press production

The press production is equipped by the following equipment for medium sheet stamping:

- Two-crank open single-action press K3132, 160 TF - 19 units;
- Two-crank open single-action press K3034, 250 TF - 11 units;
- Mechanical press INNOCENTI type S2-300-60-40, 300 TF, self-feeding - 1 unit.

Related areas of press production:

- Stamping of aluminum profiles (mechanical press K2130 force 100t (2 pcs), КД2126 force 40t (2 pcs), КД2324 force 25t (2 pcs));
- Contact welding (1 resistance welder);
- Welding in the shielding gas environment (2 posts);
- Assembly;
- Drilling (2 bench drilling machines).



ENERGOTECHMASH
Application of products in transport engineering

The production of automotive components is integrated in the Press Production.
Our equipment is designed for medium sheet stamping.

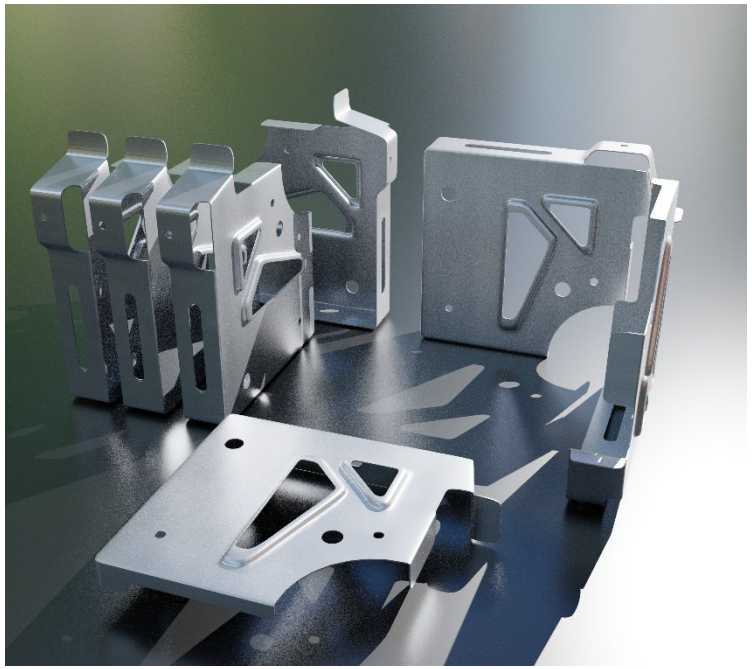
Medium sheet stamping includes parts with the following characteristics:

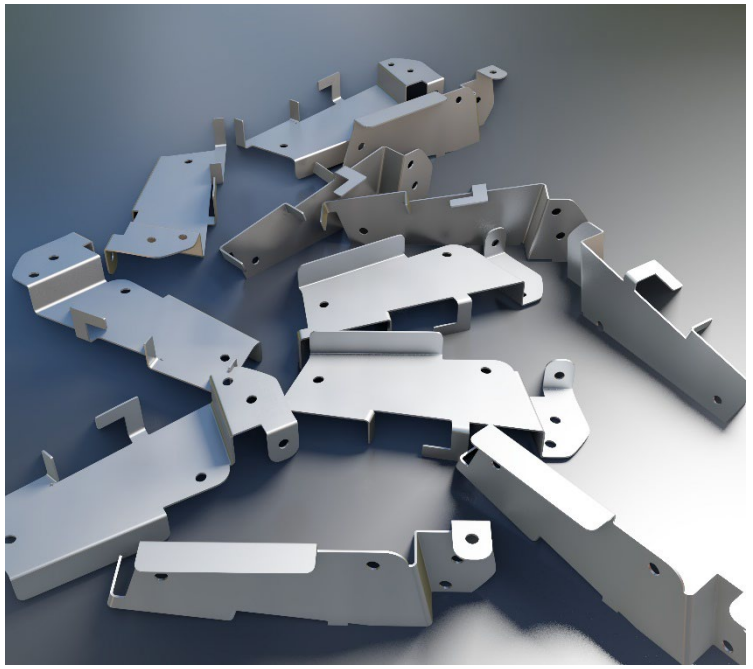
- The thickness of the source material is up to 4 mm.
- Estimated area of the part - from 0.2 to 0.6 m^2
- The estimated weight of the part is 0.3 - 3.5 kg.
- It is possible to stamp (perforate) the aluminum profile.
- We can consider the manufacture of parts from aluminum sheet up to 5 mm thick.

Blanks include: rolled metal (roll / tape), strip, sheet. These are mainly cold rolled and hot rolled low carbon steel, we also use galvanized steel (hot zinc).



ENERGOTECHMASH
Manufactured press products





The parts produced according to individual drawings or customer's sketches

ENERGOTECHMASH
in transport engineering















Products have the necessary certificates and diplomas

Valid certificates:

CERTIFICATE OF COMPLIANCE QMS GOST R ISO 9001-2015 (ISO 9001-2015) as applied to the design, manufacture and supply of components and parts for automobiles, extruded sections made of aluminum alloys, extruded pipes and buses;
CERTIFICATE OF COMPLIANCE GOST 22233-2018 for profiles extruded from aluminum alloys for building envelopes;
CERTIFICATE OF COMPLIANCE GOST 15176-89 for extruded electrical buses from aluminum and aluminum alloys;
CERTIFICATE OF COMPLIANCE GOST 8617-2018 for profiles extruded from aluminum and aluminum alloys;
CERTIFICATE OF COMPLIANCE GOST 18482-2018 for pipes extruded from aluminum and aluminum alloys



ФЕДЕРАЛЬНОЕ АГЕНТСТВО ПО ТЕХНИЧЕСКОМУ РЕГУЛИРОВАНИЮ И МЕТРОЛОГИИ

Система добровольной сертификации систем менеджмента «Регистр систем менеджмента»

ОРГАН ПО СЕРТИФИКАЦИИ СИСТЕМ МЕНЕДЖМЕНТА САМАРА ФЕДЕРАЛЬНОГО БЮДЖЕТНОГО УЧРЕЖДЕНИЯ «ГОСУДАРСТВЕННЫЙ РЕГИОНАЛЬНЫЙ ЦЕНТР СТАНДАРТИЗАЦИИ, МЕТРОЛОГИИ И ИСПЫТАНИЙ В САМАРСКОЙ ОБЛАСТИ»
Россия, 443013, г. Самара, пр. Карла Маркса, д.134
№ RA.RU.13АБ65

№ 10748

СЕРТИФИКАТ СООТВЕТСТВИЯ

Выпуск 1. СМК сертифицирована с октября 2019

Выдан Обществу с ограниченной ответственностью «ЭНЕРГОТЕХМАШ» (ООО «ЭТМ»)
445359, Самарская обл., г. Жигулевск, ул. Морквашинская, дом 40, кабинет 322

НАСТОЯЩИЙ СЕРТИФИКАТ УДОСТОВЕРЯЕТ:
систем менеджмента качества применительно к проектированию, производству и поставке узлов и деталей для автомобилей, профилей прессованных из алюминиевых сплавов, труб и шин прессованных

СООТВЕТСТВУЕТ ТРЕБОВАНИЯМ
ГОСТ Р ИСО 9001-2015 (ISO 9001:2015)
Разъяснения, касающиеся области сертификации системы менеджмента качества, могут быть получены путем консультаций с ООО «ЭТМ»

Регистрационный № РОСС RU.АБ65.И00157
Дата регистрации 29.10.2019 Срок действия до 29.10.2022

Руководитель Органа по сертификации систем менеджмента Л.Г. Чернякова
Председатель комиссии В.Д. Балякин

Учетный номер № 08740



FEDERAL AGENCY ON TECHNICAL REGULATION AND METROLOGY

Facultative Certification System of Management Systems «Management Systems Register»

MANAGEMENT SYSTEMS CERTIFICATION BODY SAMARA FEDERAL STATE INSTITUTION «STATE REGIONAL CENTER OF STANDARDIZATION, METROLOGY AND TESTING IN THE SAMARA REGION»
134, Karl Marx pr., Samara, 443013, Russia
№ RA.RU.13АБ65

№ 10750

CERTIFICATE OF CONFORMITY

Edition 1. QMS has been certified since October 2019

is given to Limited Liability Company "ENERGOTEHMASH" (LLC «ETM»)
40, Morkvashinskaya str., office 322, Zhigulevsk, Samara region, 455359, Russia

THE CERTIFICATE CERTIFIES THAT:
Quality Management System applied to design, production and supply of assembly units and components for automobiles, extruded aluminum alloy profiles, extruded tubes and buses

COMPLIES WITH THE REQUIREMENTS OF
ГОСТ Р ИСО 9001-2015 (ISO 9001:2015)
Further clarifications regarding the scope of quality management system certification may be obtained by consulting LLC «ETM»

Registration No. РОСС RU.АБ65.И00157
Date of registration October 29, 2019 It is valid until October 29, 2022

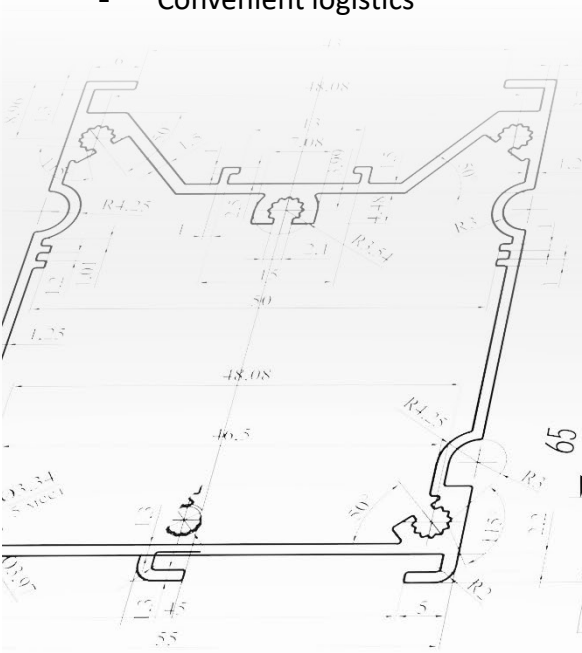
Head of the Management Systems Certification Body L.G. Chernyakova
Audit team leader V.D. Balyakin

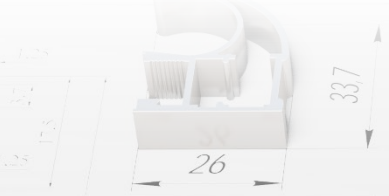
Registration number № 08740



ENERGOTECHMASH Advantages

- Maximum productivity of all production divisions is up to 25 thous. tons per year
- A wide range of manufactured profiles
- The ability to produce a complex custom-made profile
- High quality and marketable style of the finished profiles (thanks to manufacturing technology with the supply of nitrogen directly to the matrix)
- Convenient logistics





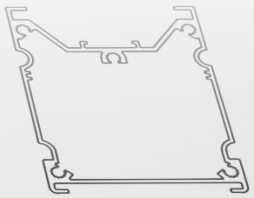
ПШК-3: 0,515кг/п.м.

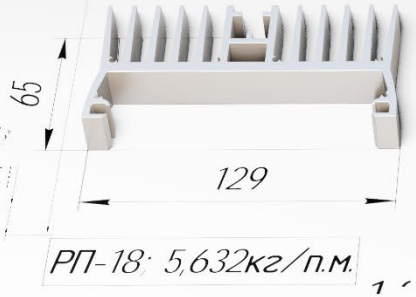


ПБА-1: 0,906кг/п.м.

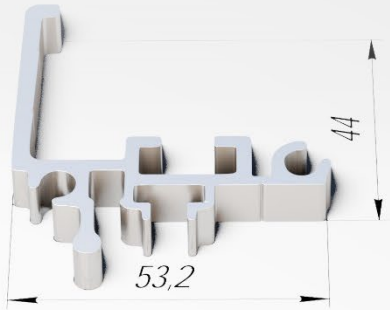


ПП-287: 1,216кг/п.м.





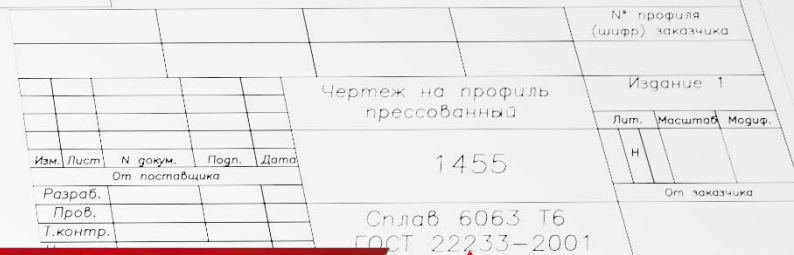
РП-18: 5,632кг/п.м.



АП-25 /ЛИАЗ: 1,218кг/п.м.



ТО-52: 1,196кг/п.м.



Our contact details



ENERGOTECHMASH

ENERGOTECHMASH OOO

445359, Zhigulevsk, Samara Region

40 Morkvashinskaya St., office 322

Tel.: +7 (84862) 72-3-95 (ext.1108)

Tel.: +7 (8482) 551-777 (ext. 1875)

ext. 1919, 1916, 1922 - placing applications for an aluminum profile

ext. 1917 - auto components, ext. 1880, 1915 - shipment of aluminum profile

etm@akron-holding.ru

www.energotehmash.ru

Thank you
for your time

ENERGOTECHMASH

AKRON