

Quality built with experience

The company, which comes from the Austrian Zeman group, well-known in the steel industry, based in Vienna, was established **30 years ago**. With the name **Zekon Sp. z o. o.** has been associated since 2008.

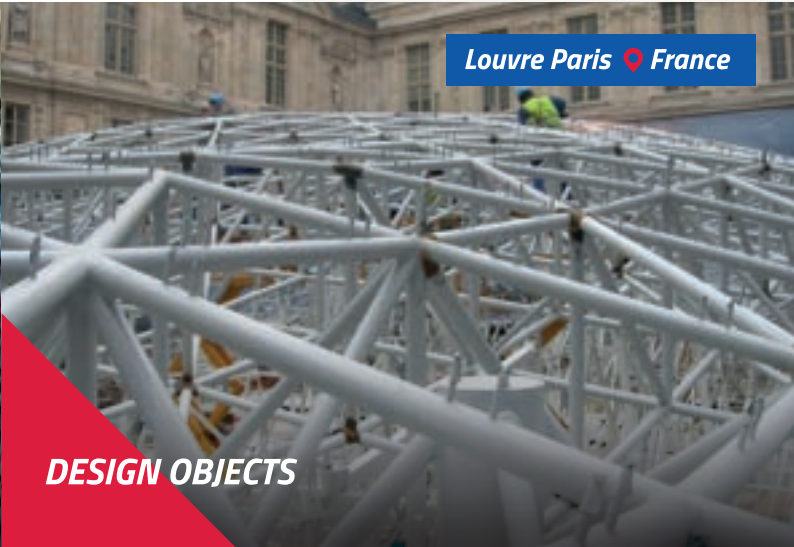
ZEKON Sp. z o. o. **has a modern automated line for the production of SIN corrugated web I-beams**, which have become very popular in recent years due to their low weight and competitive price compared to welded and hot-rolled profiles. **The main area of the company's activity is the prefabrication of steel structures**, which takes place in a modern factory with technologically advanced equipment.

- **modern factory**
- **projects implemented all over the world**
- **technologically advanced equipment**
- **original SINBEAM program**
- **the highest quality of services and products**
- **training for design offices**
- **timely execution of orders**
- **30 years of experience**



Our projects

SEE a video of our projects



Our projects

SEE a video of our projects



Certificates



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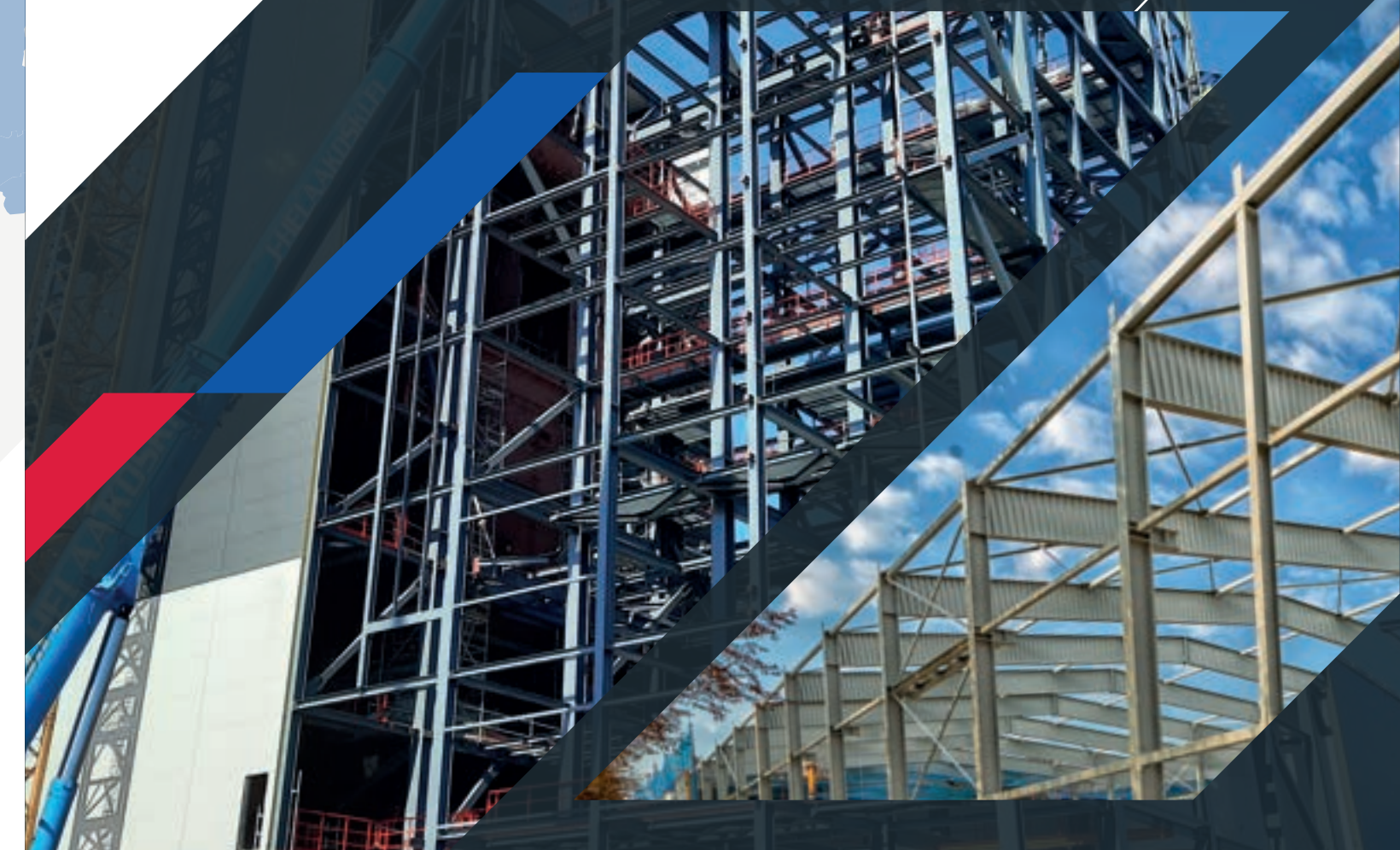


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SBA Compact + production line

The main elements of the SBA Compact+ machine are:

- rotating handles for mounting and positioning the main profile,
- manipulator arm with heads used for scanning positions (identification and dimensional control), mounting elements belonging to the main profile and preheating before welding,
- two manipulator arms armed with scanners and welding machines.

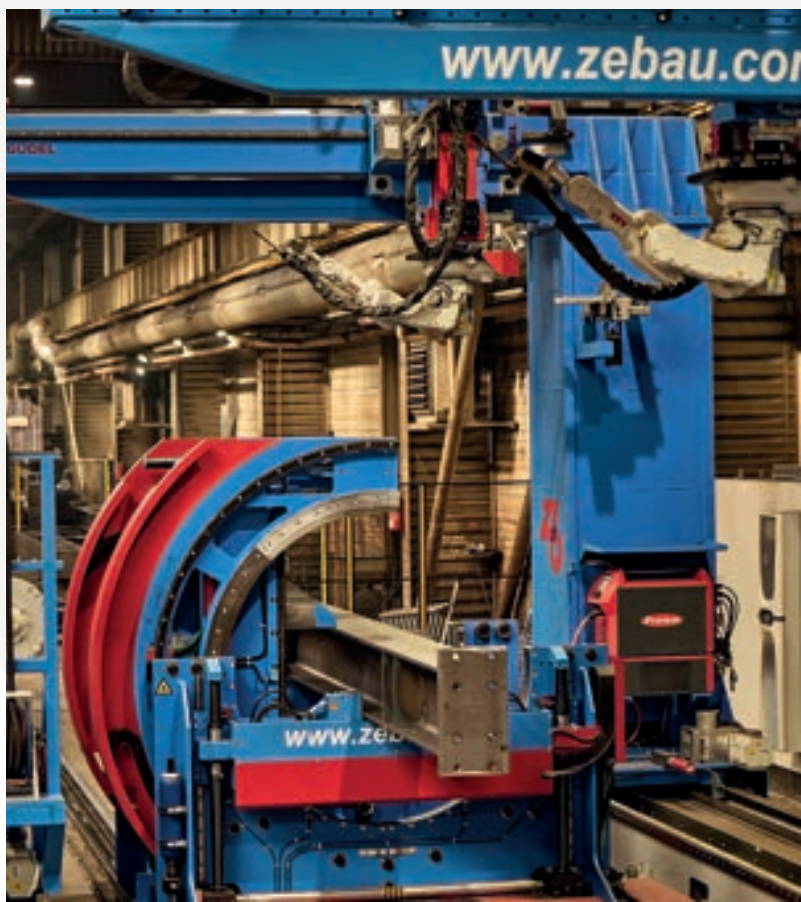
Advantages of the SBA system:

- fully automated measurement system
- automatic element recognition system and quality control of their execution
- automatic system for identifying the type, size and location of the weld
- maintenance-free assembly system and element welding
- short production time,
- consistent production quality

Automation

Steel structures are manufactured in a hall with an area of 9,500 m², and the anti-corrosion protection is applied in a modern painting shop with an area of 750 m² with a 4-zone ventilation system enabling painting and drying of structure elements simultaneously for up to four different projects.

Our machinery consists of, among others, 6 hook cranes with a lifting capacity of 12.5 Mg and 1 magnetic crane of 8 Mg, 2 shot-blasting machines: Gietart for raw material and Rossler for ready-made structures, a line for automatic welding of I-beams with a corrugated web by Zeman, flange preparation line (marking, drilling, cutting to length, straightening) from ZEMAN and the Italian manufacturer of CNC machines, FICEP, a numerically controlled plasma cutting-drilling-punching-labeling machine, a pressing and drilling machine for sheet metal, a cutting and drilling machine from FICEP, an automatic sheet-metal cutting machine Messer and the recently purchased: Excalibur a technological drilling-milling line (CNC) from FICEP for making holes of various shapes in profiles and plates, and a fully automated production line developed by ZEMAN (SBA Compact +) for assembling and welding stiffeners elements for various steel profiles.



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Offer

The company **ZEKON Sp. z o. o.** offers the construction of steel structures based on:

- I-beams with a SIN corrugated web
- straight and tapered welded sections
- cold- and hot-rolled profiles
- round pipes

We specialize in the construction of steel structures used in many sectors of the economy: industry, transport, energy, construction, as well as trade and tourism. The structures we produce are used to build power plants, heating plants, cement plants, warehouses, logistics, commercial and sports facilities, as well as public facilities such as railway stations and airports.

Profile SIN

Steel structure factory Zekon Sp. z o. o. **specializes in innovative and efficient solutions** used in the production process of steel structures. An example of this are **I-shaped plate girders with a corrugated web**, of which **we are the only manufacturer in Poland**.

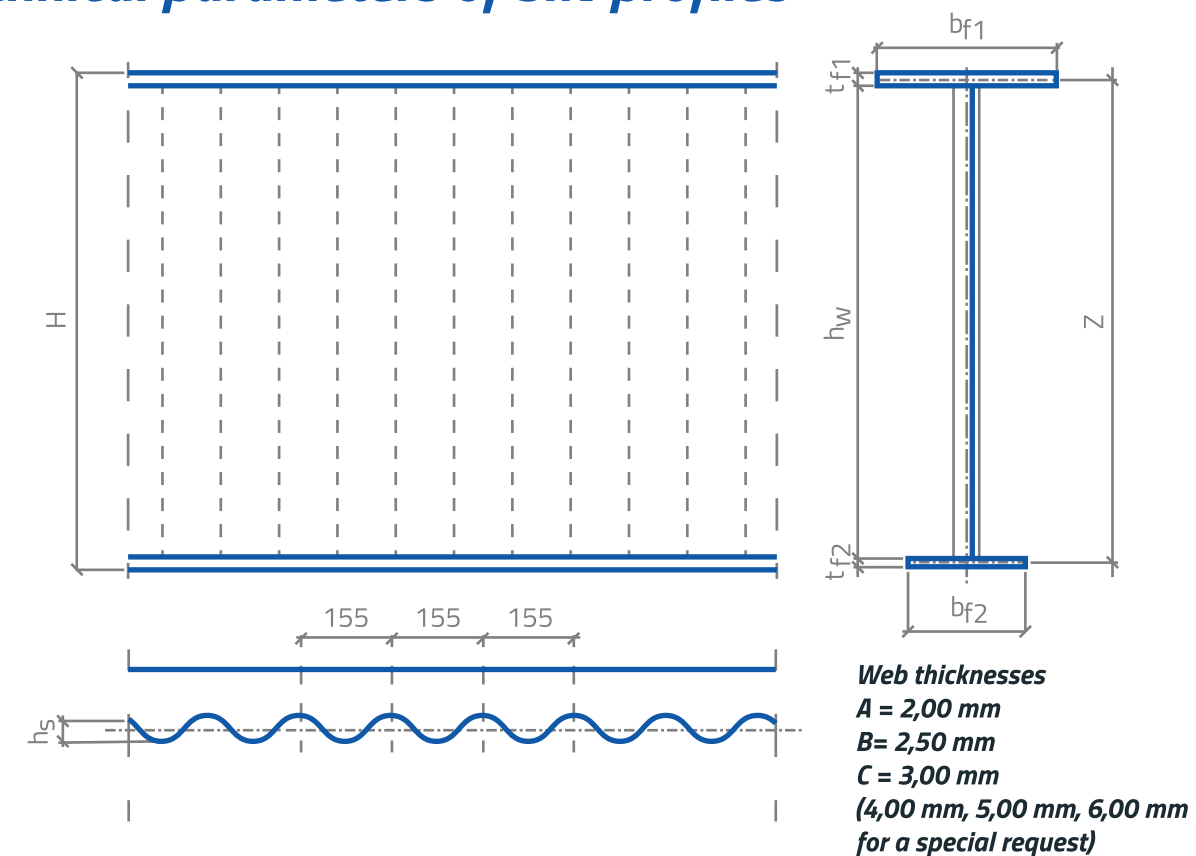
SIN profiles, i.e. plate girders with a corrugated web, are characterized by:

- high strength,
- lower weight than other types of I-beams used in steel structures.

I-beams with a corrugated web are prefabricated steel structures that owe their strength to the corrugated web. This makes it possible to use much smaller sheet thicknesses for the I-beam web than those found in standard rolled or welded I-beam profiles (with a flat web), which in turn translates into a reduction in the weight of the structure and, consequently, its price.

I-sections with a corrugated web manufactured by Zekon Sp. z o. o. are a guarantee of durability and functionality because they meet the requirements of the PN-EN 1090-2 standard.

Technical parameters of SIN profiles



$h_w = 333, 500, 625, 750, 1000, 1250, 1500 \text{ mm}$ ➤ $t_{f1}, t_{f2} = 8-30 \text{ mm}$ ➤ $b_{f1}, b_{f2} = 160-450 \text{ mm}$ ➤ $h_s = 40-43 \text{ mm}$
 MIN. LENGTH - 4000 MM, MAX. LENGTH 16000 MM

SINBEAM PROGRAM

We have created our OWN PROGRAM, addressed to design offices and designers, for designing steel structures using SIN profiles. We encourage you to familiarize yourself with our training offer.

