



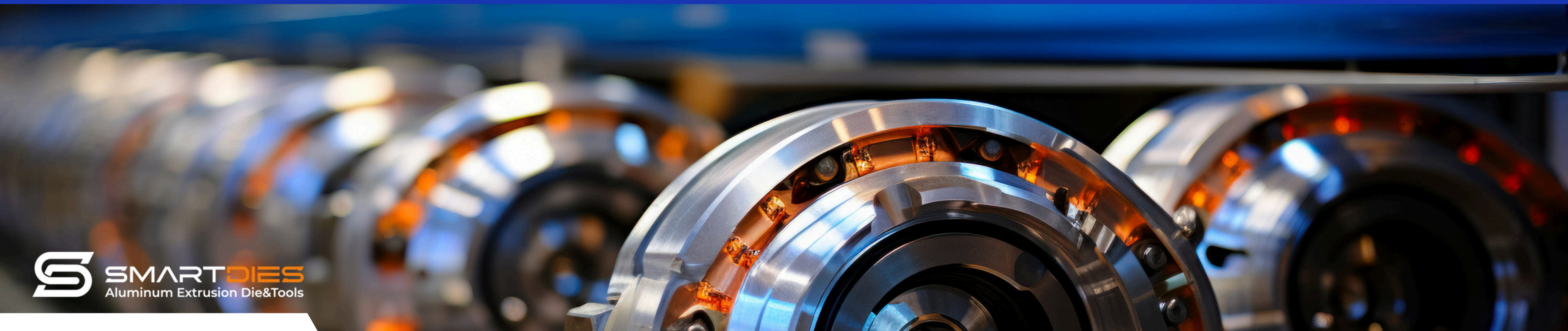
SMARTDIES

Aluminum Extrusion Die&Tools

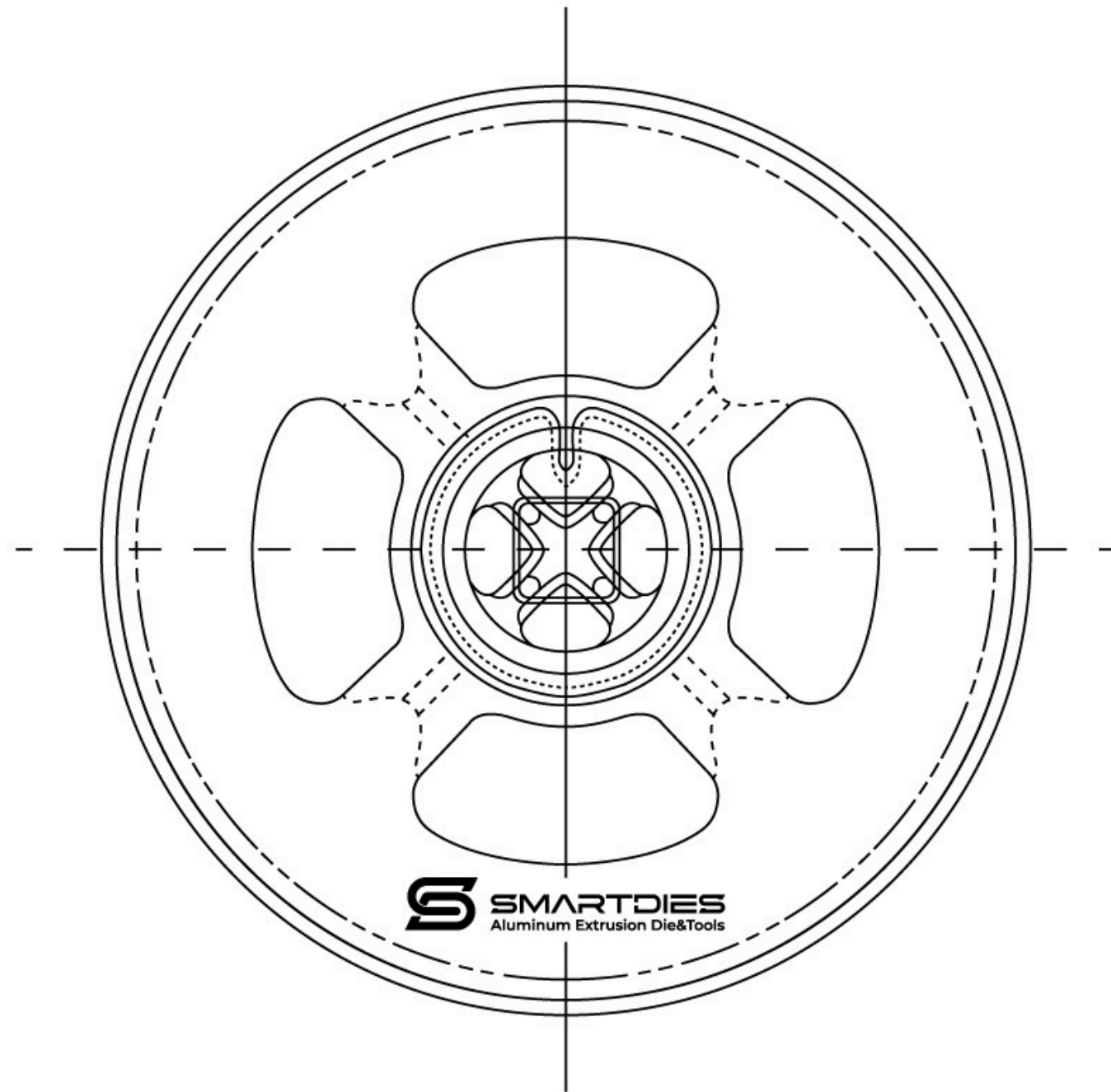
COMPANY PRESENTATION

24/7 non-stop production

24/7 non-stop production with the great and will supportive team, Smart Dies is the largest export company in its field in our country. Welcome to Smart Dies which has become pride of Turkey and leader of its sector, and has completed its branding process



Steel Cut and Steel Selection



There are basic elements that determine die life. This is why the choice of steel to be used in die production is important. The steels to be used should have properties such as high temperature resistance, high thermal fatigue resistance, abrasion resistance.

Smart Dies selects the most suitable steel for the dies it produces. The steel selection to be made according to the type of die affects the production results.

Therefore, steel selection should be done with precision, not randomly.

Steel Turning

Smart Dies, which processes every detail in the die production with the most precision, reaches the optimum size with the steel turning process. It works 100% compatible with tolerance values, in its productions in accordance with quality standards. The cut steels are turned in 100% compliance with the dimensions in the die design.

CNC Machining

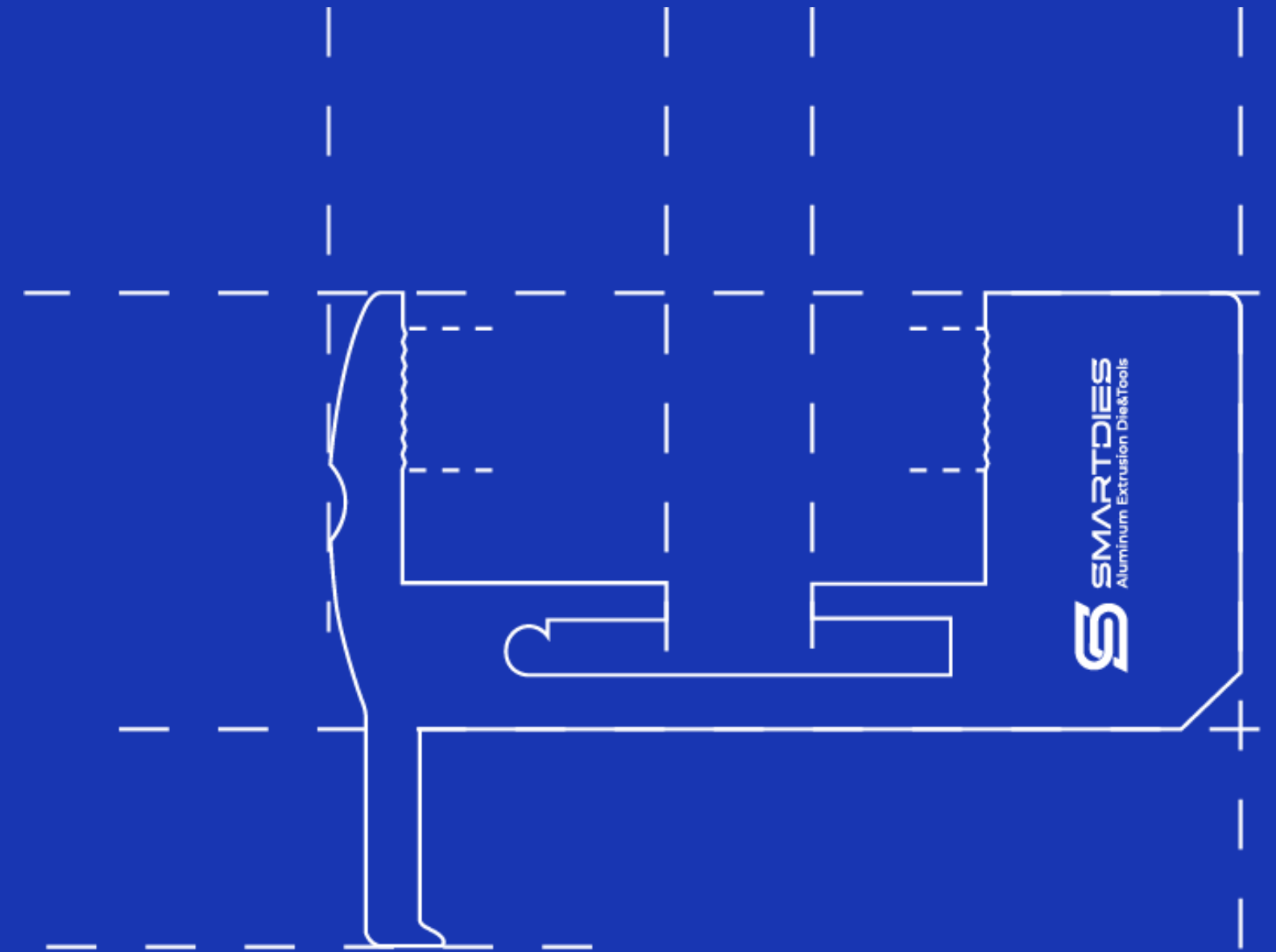
Smart Dies is always behind its claim in production quality. We are aware that the shaping stage is based on much more precise processes, which is why the CNC machining center is important. Steels brought to the design dimensions by turning; products that are perfectly designed with cad and glass programming are made to the desired state on CNC machines.



Heat Treatment

Heat treatment is what makes steel steel. That is why we work with the best companies. An appropriate and correct heat treatment increases the performance of the tool steel and therefore the performance of the die.

Heat treatment is applied in order for the die that are turned into products to reach the required hardness.



Grinding

Every step is very important in producing a die. All stages, including the transactions where the expression simple in meaning is used, is an important transaction process for the extract.

Dies from heat treatment are grinding for maximum parallelism.



WIRE EROSION

Wire erosion process, which is an important detail according to the shape of the model, maximizes sensitivity and quality. Precise cutting is made on the wire erosion bench, which gives the main shape to the profile die.

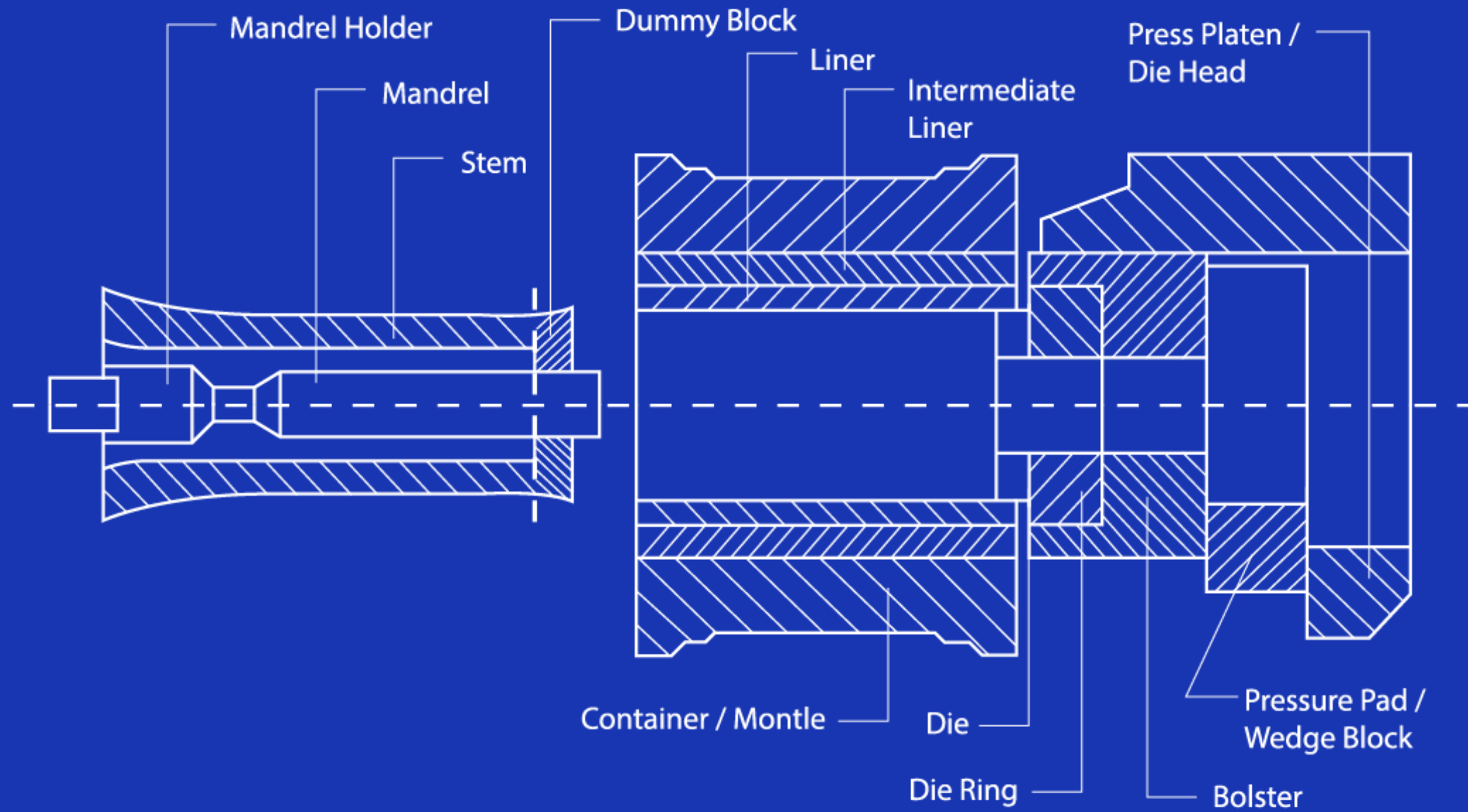
ARC EROSION

As in the grinding process, Smart Dies prefers the arc erosion process, which is a part of the manufacturing, for accurate die production. We believe that the details directly affect the result in the process that starts with the perfect design. Necessary steps are taken seriously in the arc erosion manufacturing center.

CONTROLS

Controls are always important. The dies coming from wire erosion and CNC benches are cleaned with pneumatic and sandpaper. Die checks are made.

Tools that we made from





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Aluminum Extrusion Die&Tools

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