



ScanArc
PLASMA TECHNOLOGIES AB

**We deliver heat
where it matters**



FOR A SUSTAINABLE BUSINESS

We electrify industry



Agriculture

Fixation of nitrogen from air in manure or biogas digestate.



Metal recovery

Recovery of valuable metals from complex industrial waste.



Energy

Vitrification of fly ash from municipal solid waste incineration.



Forestry

Chemical recycling of mesa lime from pulp mills and the forestry industry.



Heating furnaces

Replacing fossil fuel burners in industrial heating furnaces.



Building and construction

Reduction of greenhouse gas emissions from cement, ceramics and mineral production.

ScanArc Plasma Technologies is a technology provider of plasma solutions for industrial applications.

RAVINA AB

Automation och reparation av verktygsmaskiner och processutrustningar

www.ravina.se • lars@ravina.se • 023-230 30



Foto: Stig-Göran Nilsson, Jernkontorets bildbank

OUR MISSION

We deliver **heat** where it matters

ScanArc Plasma Technologies is a provider of plasma solutions. Our mission is to deliver heat where it matters, with an ambition to electrify industries and help customers create a sustainable business. Ever since the founding of the company, we have been a leader in the development of plasma systems and their applications where electricity is used as an energy source, often replacing fossil fuels. With more than 30 years in business and extensive experience in the field, we supply high quality stand-alone plasma systems and flexible applications.

High Performance Power Supplies



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Member of





WE KNOW RECYCLING

Waste is **value**

ArcFume is a metallurgical process and an application of our plasma technologies. The ArcFume process can treat challenging by-products where a typical user has a wish to adapt to circular economy demands and zero-waste strategies. With a high yield, ArcFume enables the recovery of valuable metals, such as zinc, lead, silver, copper, germanium and indium.

In your first contact with us, we will perform a preliminary study to evaluate the feasibility of the ArcFume process, based on your specific needs. The evaluation is made from a technical and economical point of view, and the outcome gives a better understanding of the potential business case.

In pilot plant testing, we can perform scalable tests and evaluate specific materials. The pilot tests have a unique flexibility to perform test programs under various conditions that are not suitable for testing in an industrial unit. The testing will gather information for basic engineering and subsequent detailed engineering studies. Finally, we will deliver hardware of core equipment for industrial installations.



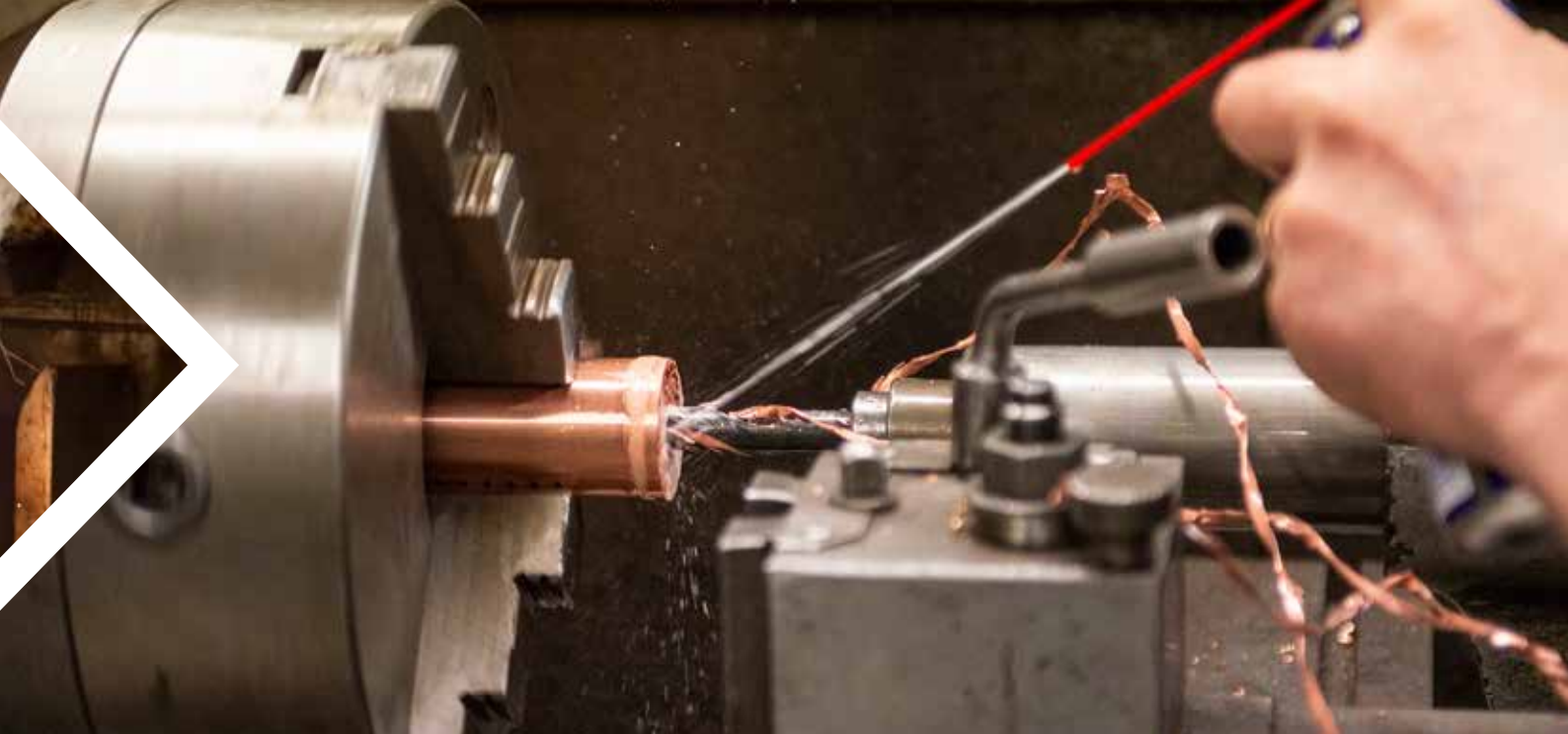
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FILTER

S U P P O R T



WE DON'T FOLLOW

We **lead** the development in plasma technology

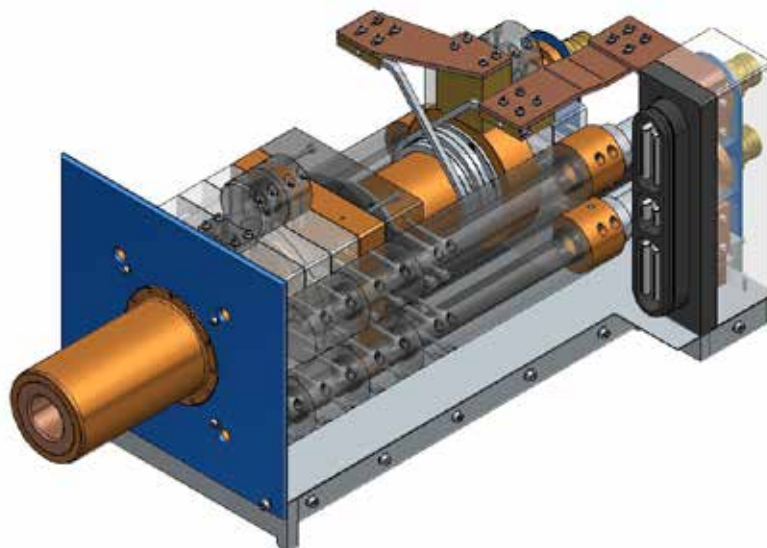
ScanArc plasma systems represent an efficient and environmentally friendly technology for converting electrical energy into hot gas. The technology can be implemented in industrial processes that have a need for hot gas produced without fossil fuels. A typical user has a classic fossil-based technology and is preparing for fossil-reducing process upgrades. With our technology, we contribute to the global ambition to electrify industry.

Plasma systems supplied by ScanArc are in the power range of 100 kW–8000 kW. They are manufactured in-house and assembled at a ScanArc site, with parts delivered from local sub-suppliers and long-

term partners. All units pass through a quality and performance testing procedure before delivery.

After hardware delivery and supervision of installation, we provide after-sale services, such as the supply of spare parts and the provision of further support and development.

A customer may install their own furnace equipment in our pilot plant for the testing of plasma torches as a heat source. This provides an opportunity to test and verify the technology in a setup that is similar to a real operating environment.



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