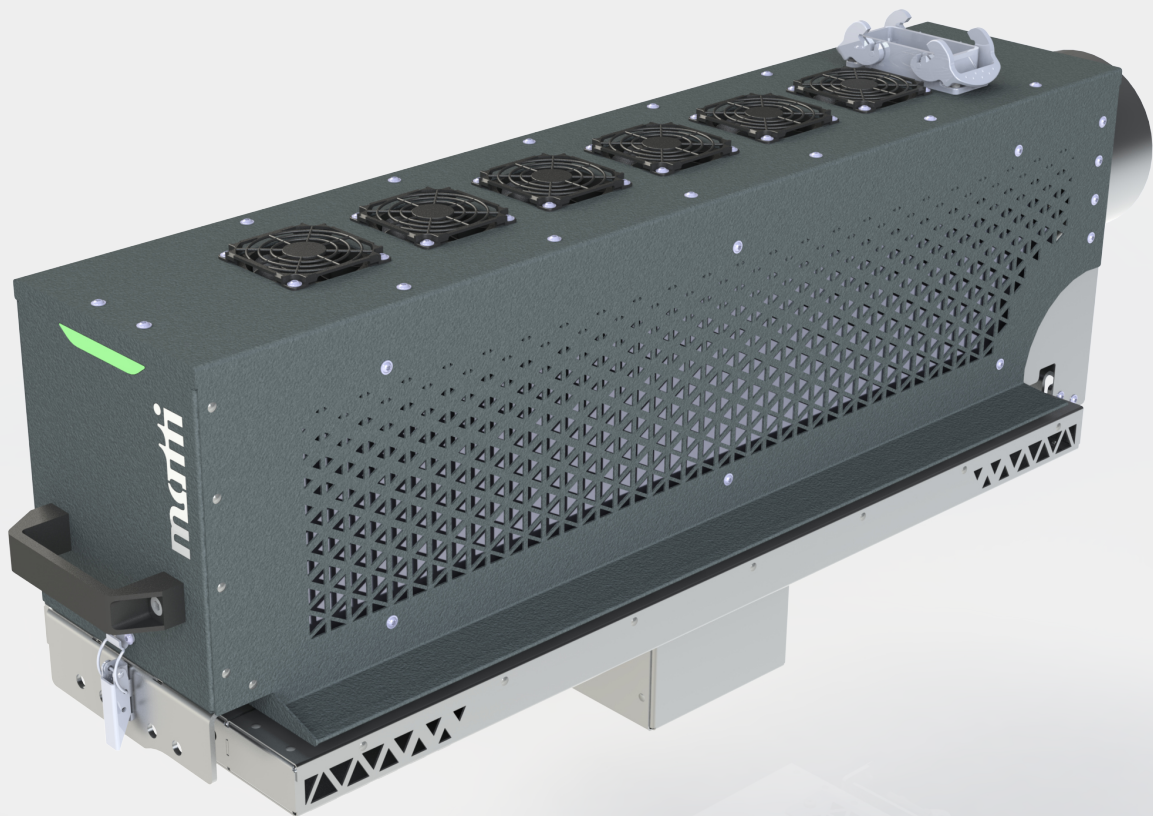


Matti CIR 900 Dryer





Solutions for Economical high speed drying

The Matti CIR 900 Dryer Module is a highly efficient IR dryer with a very high heat transfer rate drying only the ink without heating the environment.

The CIR 900 Dryer is a modern day industrial drying solution designed for use in high-speed Inkjet applications, ideally suitable for drying aqueous inks.

Exploring drying proficiencies.

Dryer Heredity

The CIR 900 dryer is part of a much broader family, all offering cost effective, innovative and reliable solutions to give the functionality desired; each module can be customised to meet your specific application.

Features

- Exceptional air management system
- Forced airflow to speed up drying process
- High-volume air-knives reduce energy cost
- Built-in automatic shutdown delay to cool system
- Compact module
- Freestanding control cabinet
- Precise temperature setting and control

Development opportunities

The Matti CIR 900 Dryer is designed to dry ink as quickly as possible at high press speeds ensuring high speed inkjet systems can be used at their full potential.

The unique design of the heating filament combines efficient radiation with very short response times offering higher radiation density and improved mechanical stability.

The Dryer features built-in air-knives, extractor fans and a cooling plate to reduce the use of other web coolers.



Matti CIR 900 Dryer

Fully featured Dryer module

Drying Modules:

Infrared drying is an indirect method of drying water-based inks or coatings.

This dryer uses the latest IR technology to dry ink faster.

A fully adjustable stepless IR power control system allows optimum integration into production presses and finishing equipment.

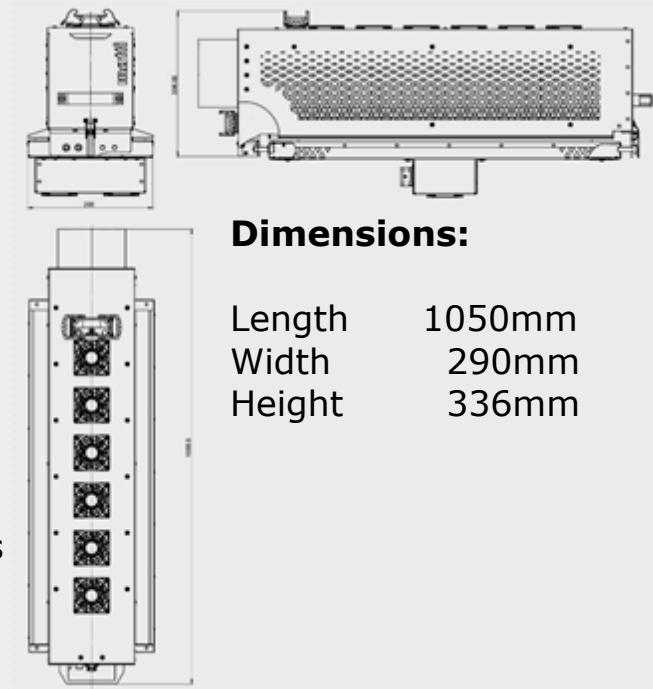
The modular construction offers near infrared (NIR) and carbon infrared (CIR) options.

Benefits when drying with the CIR 900 dryer:

- Transfer of energy without contact
- Infrared emitters can be precisely adjusted to the substrate
- The optimal wavelength accelerates drying and makes drying more energy-efficient
- High-quality quartz glass for good transmission and thermal stability
- Carbon heating filament with very short response time
- Robust ceramic lamp base
- Gold reflector for directed radiation and high efficiency
- Twin quartz tube for high stability and double power, available with different lengths
- Low maintenance expenditure

Technical Data:

Power:	12kW
Maximum Heated Length:	900mm
Filament Temperature:	1200°C
Wavelength:	2.1 μ m
Response Time:	1-2 seconds
Air Flow:	max. 18 mtrs/second



Dimensions:

Length	1050mm
Width	290mm
Height	336mm

About the Matti Group

The Matti Group researches, develops, produces and sells machines and turnkey solutions for the high speed digital inkjet printing market.

Thanks to the knowledge gathered through the integration of more than 1000 digital systems, we play a leading role in this business area. Our strength is the combined know-how and many years of experience in the fields of inkjet printing presses, finishing lines, drying techniques and most common digital printing technologies.

Our main office is located in Sulgen, Switzerland, where we develop, manufacture, test and offer customer support. Our clients are mainly original equipment manufactureres (OEM's) supplying and servicing the demands of data centres, print and publishing, security printing, direct mail / letter-shops, government bureaus, banking / insurance institutions and innovative printing companies. Matti's expertise also reaches into the label industry, designing narrow inkjet label presses, both UV and aqueous.

We ensure quality through technical expertise and reliability and our communication approach is open, friendly and fair.

The Matti Groups is ISO 9001:2015 and TUV certified and manufactures according to the UL standard.



Matti Technology AG

Industriestrasse 9
8583 Sulgen
Switzerland
www.mattitech.ch
info@mattitech.ch
Phone: +41-71-424 09 40

Matti Engineering AG

Industriestrasse 9
8583 Sulgen
Switzerland
www.matti-engineering.ch
info@matti-engineering.ch
Phone: +41-71-424 09 60