Cougartron™

Weld Cleaning & Marking Machines

Accessories and Consumables

www.cougartron.com

Weld cleaning – Surface polishing – Marking

Cougartron Brand

Company background

In 2012, Jonathan Edwards who founded BM Group I/S and embarked on a project to design and develop a superior stainless steel weld cleaning machine that would produce better results, improve working environment, and yet be adaptable to varying manufacturing processes.

The outcome is the Cougartron weld cleaners' product line, which embrace three decades of deep industry insight and manufacturing experience as well as the input and testing from more than 20 customers during the project.

High performance machines

However, the project did not stop with the machines. We are continuously designing and developing new brushes and fluids to be used with the Cougartron weld cleaners that are tailored to specific jobs or manufacturing processes, which makes the Cougartron Weld cleaners the most advanced weld cleaning product line up in the world.

When using a Cougartron weld cleaner in combination with our weld cleaning brushes and fluids, your company will become more competitive due to the unparalleled speed, high performance and consistent result.

Our promise to you

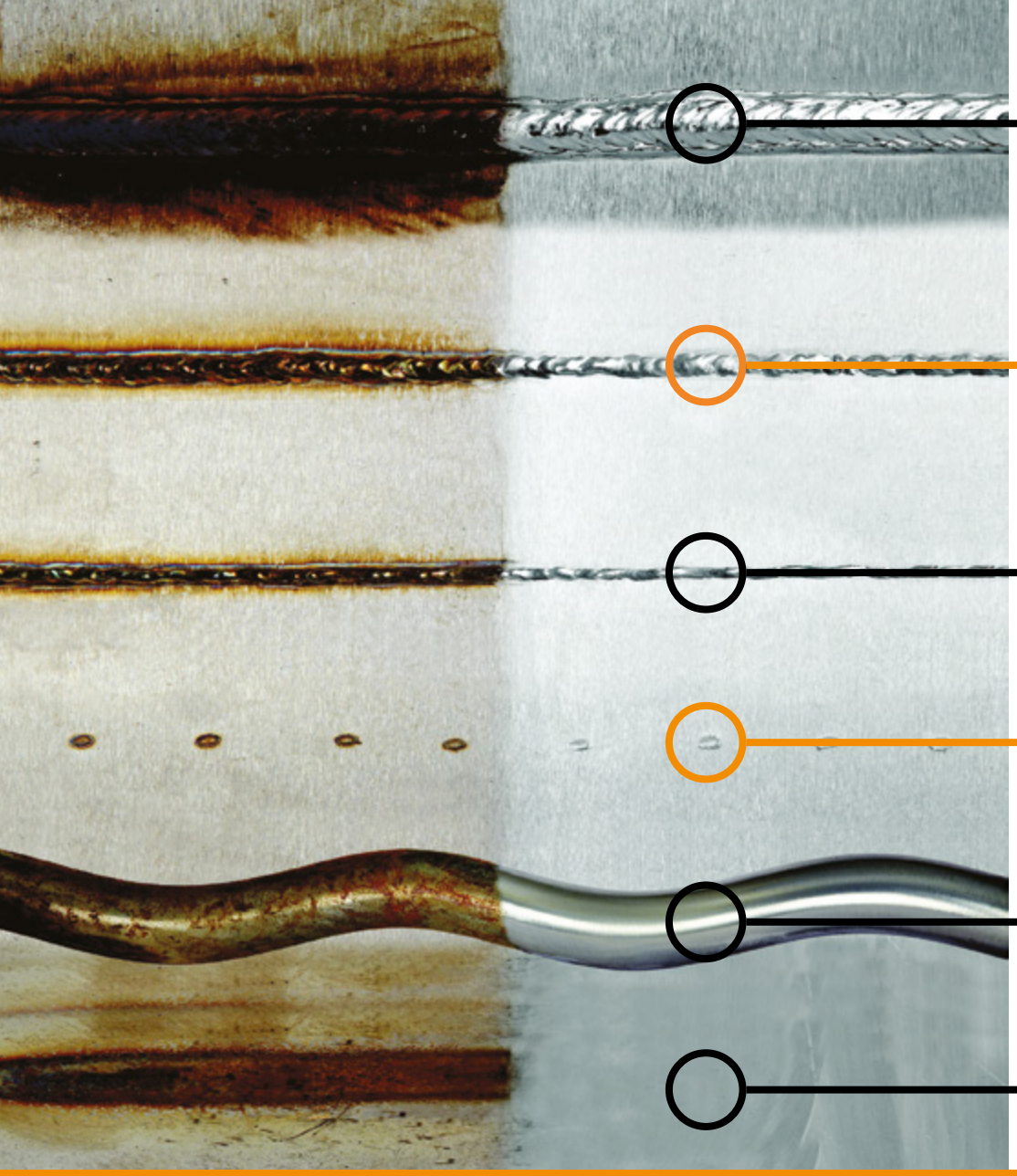
The vision of BM Group is to develop solutions that are globally recognised for helping manufacturing companies be more productive, safer work places and more competitive.

We do this through our process understanding, focus on worker's safety and decade long industry insight.

Jonathan Edwards
Founder and CEO of BM Group International ApS

Contents

Unparalleled weld cleaning performance 4
Present worldwide 5
What makes the Cougartron machines special 6
Machine Overview 7
InoxMuscle 8
InoxMuscle features 9
Plus 10
Plus features 11
ProPlus 12
ProPlus features 13
InoxFury 14
InoxFury features 15
MK12 16
MK12 features 17
Weld Cleaning Machine 18
Weld Cleaning Machine Accessories 19
Weld Cleaning Brushes 20
Weld Cleaning Accessories 21
Weld Cleaning Fluids 22
Marking Fluids 23
Etching stencils & printers 24
MK12 Etching machine & spares 25
Notes 27



Mig Welding

Double Pass Tig Welding

Tig Welding

Spot Welding

Cross Contamination

Heat Penetration

Unparalleled weld cleaning performance

The Cougartron brand is present worldwide

Powered by innovation, supported by insight!

The Cougartron brand is characterised by the BM Group's focus on make it faster, safer, smarter. We develop machines that enable workers to produce better results, be more productive and the company more competitive.

The Cougartron brand is present on most continents with local presence in all major markets. We serve Europe from our BM Group headquarter in Denmark, and the Americas from the Cougartron, Inc. headquarter in Pennsylvania, USA.

For more information about BM Group, please visit www.bmgroup-int.com

What makes the Cougartron machines special

The Cougartron weld cleaners have been designed from the bottom up with a focus on parameters, key to the safety and productivity of the worker and for the productivity and agility of the company.

Weight — The Cougartron machines are easy to transport thus suitable for flexible work stations and projects.

Dimensions — The Cougartron machines are exceptionally powerful by dimensions due to their advanced technology.

Technology — The Cougartron machines apply latest electrolytical technology for controlling the consistency of the weld cleaning and surface polishing process

User friendly — The Cougartron machines use touch displays for easy reading, adjusting settings and durability in harsh environments.

Reliable — The Cougartron machines are backed by professional and direct access technical support to ensure that your company keeps producing.

Machine Overview

	Inox Musule	Plus	ProPlus	Inox Fury	MK12
	30 Amps	30 Amps	50 Amps	200 Amps	
	3.7kgs	6.2 kgs	7.2 kgs	26kgs	0.9 kgs
Cleaning Tig - light	✓	✓	✓	✓	
Cleaning Tig - dark	✓	✓	✓	✓	
Cleaning Mig - light			✓	✓	
Cleaning Mig - dark				✓	
Cleaning Aluminum			✓	✓	
Polishing	✓	✓	✓	✓	
Marking		✓	✓		✓

InoxMuscle

InoxMuscle features

Product Description

Our electronics engineers have done it again! The InoxMuscle is incredibly lightweight and compact! This latest innovation has the ability to clean and electro-polish welds and surfaces.

Functions & Benefits

The Cougartron Inox Muscle offers fexibility and mobility as well as a compact solution to your weld cleaning needs. At only 3.5kg, this machine has the highest power to weight ratio on the market. It's performance is stunning for its size.

WELC1024 — Cougartron Inox Muscle starterpack, 230V, 50Hz,14V

WELC1025 — Cougartron Inox Muscle starterpack, 110V, 50Hz,14V

Cougartron Plus

Cougartron Plus features

Product Description

Cougartron Plus is a smart alternative for smaller production environments and stainless steel based weld cleaning. It is lighter while still being capable of exceptional TIG weld cleaning using the CougarSense technology.

Functions & Benefits

The Plus is a fantastic machine for one-step cleaning, polishing and etching. It provides the ability to perform clean welds efficiently with reduced down-time and more safety. This machine does not alter the surface and eliminates the posibility of rust. Use the Plus to avoid vibration injury or metal dust.

WELC1017 — Cougartron Plus starterpack 230v, 50Hz,18V

WELC1023 — Cougartron Plus starterpack 110v, 50Hz,18V

Cougartron ProPlus

Cougartron ProPlus features

Product Description

Cougartron ProPlus delivers a unique combination of electricity, heat and chemistry for superior weld cleaning, surface polishing and etching. This is the machine you need to clean MIG and TIG welds. The ProPlus even has enough power to clean aluminium!

Functions & Benefits

The ProPlus is the lightest machine on the market for its power. Compact and lightweight, perfect for transporting on the job. With the power readout screen you can get the exact power output you need, and the precisely controlled current gives you consistent results.

WELC1016 — Cougartron ProPlus starterpack 230v, 50Hz,18V

WELC1022 — Cougartron ProPlus starterpack 110v, 50Hz,18V

InoxFury

InoxFury features

Product Description

Cougartron InoxFury is a high power machine designed for large and dark welds. It is capable of cleaning TIG, MIG and other types of welds on heavy gauge plate with ease.

Functions & Benefits

This is a unique machine that can be used in the heaviest of application, and can be adapted to suit specific production requirements.

WELC1027

Cougartron MK12

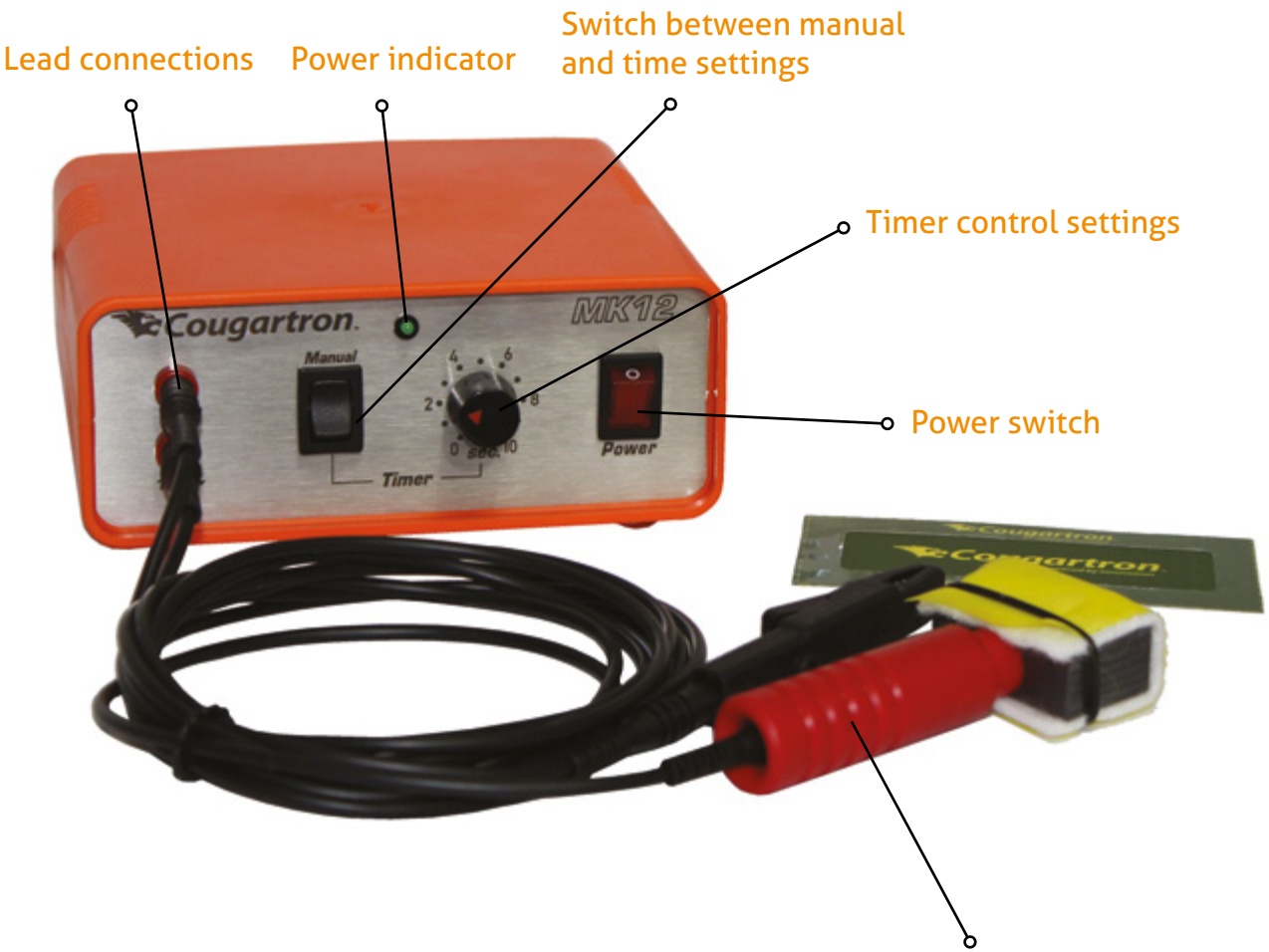
MK12 features

Product Description

MK12 is a powerful yet efficient solution designed to meet your metal marking needs. This machine can be used for etching important information onto your parts such as names, part numbers, and logos. Its overall features and size make it great tool for everyday use.

Functions & Benefits

This smart machine allows you to mark onto a range of metals including: Stainless Steel, Mild Steel, Aluminum, Brass, and Copper. The MK12 is a super compact, quick and safe marking solution which will make your etching process more flexible and less time consuming.



Weld Cleaning Machine Accessories

Part #	Product Type
WELC2009	Cougartron 500mm wand extension
WELC3021	Copper grease 20g

Part #	Product Type
WELC2047	Cougartron handle & lead, orange, w/ X connector — 4M
WELC2118	Cougartron earth lead & clamp w/ X connector — 4M
WELC2176	Cougartron S/S earth clamp w/ X connector — 4M

Part #	Product Type
WELC2120	Cougartron ext lead, black, w/ X connector — 4M
WELC2122	Cougartron ext lead, orange, w/ X connector — 4M

Part #	Product Type
WELC2025	IEC power lead 1.8M 230V (DK)
WELC2026	IEC power lead 1.8M 230V (EU)
WELC2200	IEC power lead 1.8M 230V (UK)
WELC2221	IEC Power lead 1.8M 110V (UK)
WELC2231	IEC power lead 1.8M 230V (AU/NZ)

Weld Cleaning Brushes

Part #	Product Type
WELC3092	Cougartron Powerbrush — copper crimp — 1 piece
WELC3101	Cougartron Powerbrush — Table1 crimp — 10 pack

Part #	Product Type
WELC2012	Cougartron Powerbrush — stainless crimp — 1 piece
WELC3105	Cougartron Powerbrush — stainless crimp — 10 pack

Part #	Product Type
WELC3131	Cougartron Pipebrush — Ø8mmx50mm long, 100mm shaft
WELC3121	Cougartron Pipebrush — Ø15mmx30mm long, 50mm shaft
WELC3032	Cougartron Pipebrush — Ø18mmx90mm long
WELC3033	Cougartron Pipebrush — Ø25mmx90mm long
WELC3037	Cougartron Pipebrush — Ø40mmx90mm long
WELC3041	Cougartron Pipebrush — Ø50mmx90mm long

Part #	Product Type
WELC3091	Cougartron ThunderBrush III brush (large)

Weld Cleaning Brush Accessories

Part #	Product Type
WELC2167	Cougartron Wand with sliding shroud (single brush)
WELC2055	Cougartron sliding shroud
WELC2056	Cougartron wand - with 6mm parallel thread

Part #	Product Type
WELC2226	Cougartron Wand with twist shroud (single brush)
WELC2227	Cougartron Spare twist shroud
WELC2235	Cougartron Wand to suit twist shroud

Part #	Product Type
WELC2001	Cougartron single short brush shroud — fixed
WELC2038	Cougartron single long brush shroud — fixed
WELC2090	Cougartron ThunderBrush III shroud (large)

Part #	Product Type
WELC2006	Cougartron double brush adaptor/holder
WELC2007	Cougartron double brush shroud — fixed
WELC2174	Cougartron double brush sliding shroud
WELC2188	CGT Wand w/ double brush adaptor & sliding shroud

Weld Cleaning Brush Accessories

Part #	Product Type
WELC2010	Cougartron quad brush adaptor/holder
WELC2011	Cougartron quad brush shroud — fixed
WELC2209	Cougartron quad brush sliding shroud
WELC2214	CGT Wand w/ quad brush adaptor & sliding shroud

Part #	Product Type
WELC2014	Cougartron 90 degree brush adaptor
WELC2175	Cougartron 45 degree brush adaptor
WELC2199	Cougartron 135 degree brush adaptor

Weld Cleaning Fluid Accessories

Part #	Product Type
WELC2005	Acid pot 500ml with lid
WELC2149	Cougartron microfibrecloth — 40x40cm (black)

Part #	Product Type
WELC2201	Cougartron spray bottle with sprayer 0.5L (empty)
WELC2092	Cougartron sprayer for spray bottle — orange

Weld Cleaning Fluids

Part #	Product Type
WELC3048	CGT-550 Weld Cleaning & Polishing Fluid — 5L
WELC3081	CGT-550 Weld Cleaning & Polishing Fluid — 1L

Part #	Product Type
WELC3050	CGT-350 Weld Cleaning Fluid — 5L
WELC3083	CGT-350 Weld Cleaning Fluid — 1L

Part #	Product Type
WELC3096	CGT-550G Weld Cleaning & Polishing Gel — 5L
WELC3095	CGT-550G Weld Cleaning & Polishing Gel — 1L

Part #	Product Type
WELC3114	CGT-N1 Neutralising Fluid — 5 L
WELC3120	CGT-N1 Neutralising Fluid — 500ml
WELC3049	CGT-100 Finishing Fluid — 5L
WELC3093	CGT-100 Finishing Fluid — 500ml

Marking Fluids

Part #	Product Type
WELC3115	Cougartron CGT-S1 Etching Fluid — 500ml
WELC3116	Cougartron CGT-AL Etching Fluid — 500ml
WELC3117	Cougartron CGT-MS Etching Fluid — 500ml
WELC3118	Cougartron CGT-BR Etching Fluid — 500ml
WELC3119	Cougartron CGT-CO Etching Fluid — 500ml
WELC3133	Cougartron CGT-TI Etching Fluid — 500ml

ProPlus & Plus etching set & spares

Part #	Product Type
WELC4035	Cougartron ProPlus Etching Set with case

Part #	Product Type
WELC4045	Cougartron Plus Etching Set with case

Part #	Product Type
WELC4040	Cougartron Etching Electrode with straight adaptor
WELC4002	Weld-Cleaner O-ring for 30x15mm Etch Block (pack10)
WELC4003	Weld-Cleaner Etching Felt Strip 1000x50mm

Etching stencils & printers

Part #	Product Type
WELC4007	Etching stencil — 40x75mm
WELC4008	Etching stencil — 60x100mm
WELC4009	Etching stencil — 100x150mm
WELC4113	Stencil: "Cougartron" with plastic frame 113x50mm

Part #	Product Type
WELC4020	TTP-245C thermal printer w/ full cutter installed
WELC4021	106mm x 100m Etching Roll

Part #	Product Type
WELC4043	PT-D600VP Brother Label Printer 18-24mm tapes
WELC4284	PT-E550WVP Brother Label Printer 18-24mm tapes
WELC4014	Cougartron Stencil tape, 18mm x 3m
WELC4015	Cougartron Stencil tape, 24mm x 3m

Part #	Product Type
WELC4339	PT-800W Brother Label Printer 18-36mm tape
WELC4016	Cougartron Stencil tape, 36mm x 3m

MK12 Etching machine & spares

Part #	Product Type
WELC4027	Cougartron MK12 Etching Machine Set — 12V, 230V

Part #	Product Type
WELC4025	Cougartron MK12 carbon felt 75x40x4,6mm (12 pcs)
WELC4033	Cougartron MK12 white felt 75x40x3mm (12 pcs)
WELC4026	Cougartron MK12 yellow fabric 75x40mm (12 pcs)

Part #	Product Type
WELC4029	Cougartron MK12 etching carbon block 40x15x25mm
WELC4034	Cougartron MK12 etching O-ring 40x15x25mm block
WELC4028	Cougartron MK12 etching handle for handstamp
WELC4032	Cougartron MK12 etching cable for handle

Part #	Product Type
WELC4030	Cougartron MK12 etching clamp
WELC4031	Cougartron MK12 etching cable for clamp

Notes

Cougartron™

Contact us to find your nearest Cougartron Partner

Cougartron

Marielundvej 48D
2730 Herlev, Denmark
E-mail: sales@cougartron.com
Tel: +45 4346 2010
Web: www.cougartron.com

Cougartron Inc.

712 Henderson Blvd
Folcroft PA 19032
E-mail: sales@cougartron.com
Tel: +1 404 591 8920