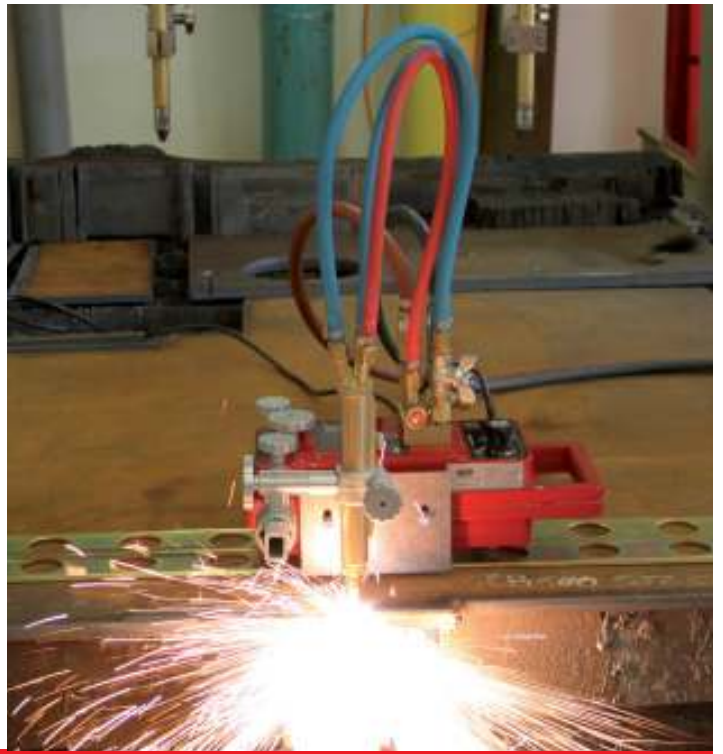


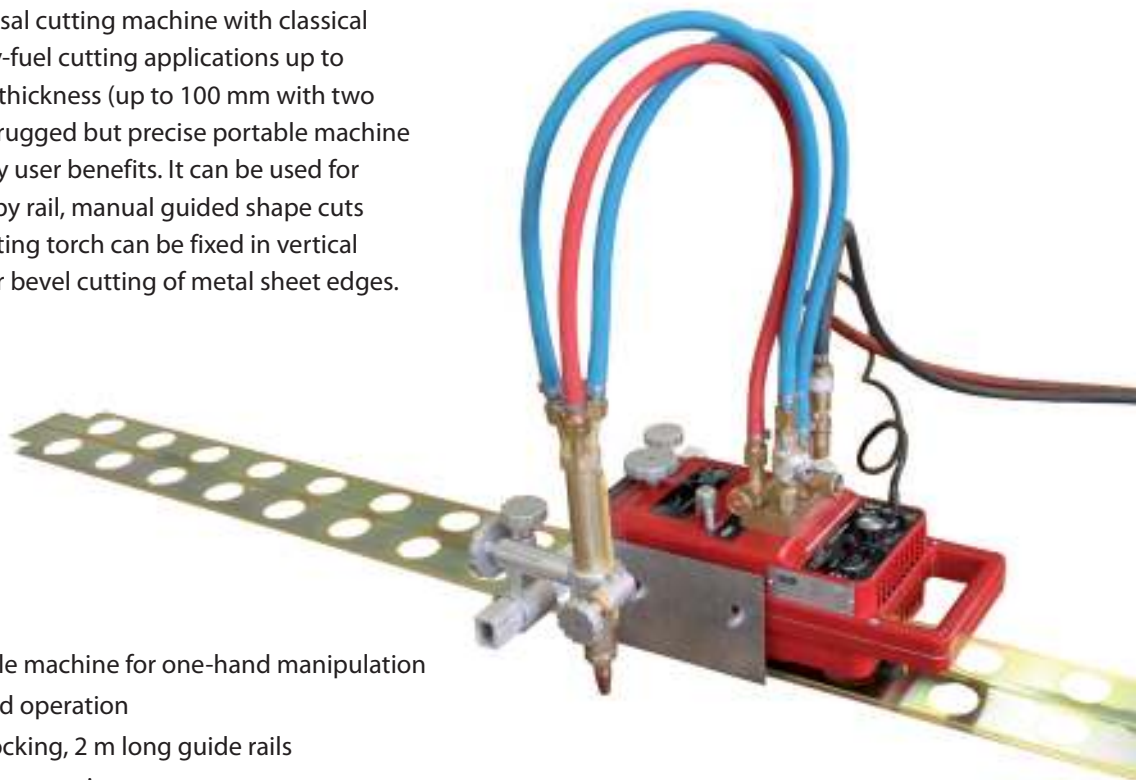
PORTABLE STRAIGHT LINE CUTTING MACHINE

GCE proFIT®



EDITION 1/2013

GCE proFIT® is universal cutting machine with classical design mainly for oxy-fuel cutting applications up to 150 mm metal sheet thickness (up to 100 mm with two cutting torches). It is rugged but precise portable machine which proposes many user benefits. It can be used for straight cuts guided by rail, manual guided shape cuts and circular cuts. Cutting torch can be fixed in vertical position or angled for bevel cutting of metal sheet edges.



- lightweight portable machine for one-hand manipulation
- easy installation and operation
- two kinds of interlocking, 2 m long guide rails
- all common fuel gases service
- various range of cutting torches for different types of cutting nozzles
- basic one-torch configuration can be extended for two-torch operation
- strip cutting and bevel cutting with two torches
- precise drive system is ensuring constant cutting speed
- exact adjustment of the torch position

GCE proFIT®



Art. Nr.	Description
548900060001	GCE proFIT® machine with one nozzle mix torch, without track
548900060000	GCE proFIT® machine without torch, without track

TECHNICAL DATA

Cutting capacity	up to 150 mm with one torch, up to 100 mm with two torches
Cutting speed	75 - 700 mm/min
Operation	forward and reverse with variable speed
Circle cutting diameter	80 – 1340 mm (optional up to 2340 mm)
Max. strip width	485mm (cutting with two torches parallel)
Power supply	230V AC / 50 Hz
Engine supply	24V DC
Oxygen inlet connection	G1/4", up to 8 bar, hose min. DN8
Fuel gas inlet connection	G3/8"LH, up to 1 bar, hose min. DN8
Machine dimensions	180 x 380 x 160 (W x L x H) without torch, hoses and torch bar
Weight	13 kg with one torch, 16 kg with two torches



BASIC MACHINE PACKAGE INCLUDES:

- equipment for one torch-cutting application
- one nozzle mix cutting torch (only for 548900060001)
- torch holder, torch bar, stainless steel heat shield, circle cutting pole, circle centre-piece
- internal gas hoses, gas manifold with shut-off valves
- 10 m electric cable with plug DIN
- nozzle mounting and cleaning accessories, flame lighter
- guide rail and cutting nozzles are delivered separately from the machine

CUTTING TORCHES

There is one nozzle mix and two variants of injector cutting torch available. Injector cutting torch BIR Mini shall be used with two-piece cutting nozzles screwed into the torch head. FIT Mini is designed with reliable and unique flat seat. Fuel gas type has to be considered in case of injector torch. All torches are in accordance with ISO 5172.











Art. Nr.	Description	Gas type	Recommended cutting nozzles	Pos.
0766262	Nozzle mix cutting torch	APMYF	ANME, AMD Coolex, PNME, K50PUZ	1
0766221	BIR Mini, injector cutting torch	A	AC, (ASD)	2
0766222	BIR Mini, injector cutting torch	PMYF	PUZ, (PSD)	2
0766173	FIT Mini, injector cutting torch	A	MA133	3
0766174	FIT Mini, injector cutting torch	PMYF	MP133, (MY133)	3

ACCESSORIES AND SPARE PARTS



Art. Nr.	Description
14088703	Stabile guide rail track 2 m, extruded aluminium profile with connecting clip
60010	Basic guide rail track 2 m, Zn-coated steel
304605940	Extension kit for second cutting torch (proper torch is to be ordered separately)
14008263	Flashback Arrestor, Heating oxygen, G 1/4"
14008278	Flashback Arrestor, Fuel gas, G 3/8" LH
14008157	Brass cleaning brush
548904225520	Stainless steel conical cleaning needle for cutting oxygen channels
304604911-JR	Gas manifold for one cutting torch
304605911-JR	Gas manifold for two cutting torches
304604914	Cutting torch holder
304604924	Circle diameter extension

CUTTING NOZZLES

	Art. Nr.	Cutting thickness (mm)	Cutting speed (mm/min)	Cutting oxygen (bar)	Heating oxygen (bar)	Fuel gas (bar)	Cutting oxygen (m ³ /h)	Heating oxygen (m ³ /h)	Fuel gas (m ³ /h)		
Injector nozzles AC* Fuel gas: A Use with torch: BIR Mini A, 0766221		14001010	3 - 10	600 - 730	2,0 - 3,0	2	0,5	1,3 - 1,7	0,4	0,3	
		14001011	10 - 25	410 - 620	4,5 - 5,0	2,5	0,5	2,3 - 2,8	0,5	0,35	
		14001012	25 - 40	340 - 410	4,0 - 5,0	2,5	0,5	2,3 - 2,8	0,5	0,35	
		14001013	40 - 60	310 - 340	4,0 - 5,0	2,5	0,5	4,1 - 5,1	0,5	0,35	
		14001014	60 - 100	250 - 320	5,0 - 6,0	3	0,5	8,1 - 9,5	0,5	0,4	
		14001015	100 - 200	210 - 270	6,5 - 7,5	3,5	0,5	12,0 - 13,0	0,6	0,5	
		14001020	3 - 100	Heating nozzle							
		14001021	100 - 300	Heating nozzle							
	Injector nozzles PUZ* Fuel gas: PM Use with torch: BIR Mini PMYF, 0766222		14001350	3 - 10	550 - 600	2,0 - 3,0	2	0,2	1,3 - 1,7	1,3	0,33
			14001351	10 - 25	400 - 560	4,5 - 5,0	2,5	0,2	2,8 - 3,4	1,5	0,38
		14001352	25 - 40	340 - 400	4,0 - 5,0	2,5	0,2	2,8 - 3,4	1,5	0,3	
		14001353	40 - 60	310 - 340	4,5 - 5,5	2,5	0,2	4,6 - 5,6	1,5	0,38	
		14001354	60 - 100	260 - 310	5,0 - 6,0	2,5	0,2	8,1 - 9,5	1,5	0,38	
		14001355	100 - 200	180 - 260	5,5 - 6,5	3,0 - 5,0	0,3	12,6 - 14,4	1,7 - 2,5	0,50 - 0,70	
		14001147	3 - 100	Heating nozzle, propane/ natural gas							
		14001148	100 - 300	Heating nozzle, propane/ natural gas							
* Cutting and heating nozzles are delivered separately. Minimal order quantity of cutting nozzles: 5 pieces, heating nozzles: 1 piece.											
Injector nozzles MA133 Fuel gas: A Use with torch: FIT Mini A, 0766173			202150330	3 - 8	650 - 900	3 - 5	1,5	0,2 - 0,8	1,25 - 1,85	0,55	0,5
		202150331	8 - 15	600 - 800	5 - 6	1,5	0,2 - 0,8	2,15 - 2,6	0,55	0,5	
		202150332	15 - 30	460 - 680	6 - 7	1,5	0,2 - 0,8	3,6 - 4,15	0,55	0,5	
		202150333	30 - 50	360 - 575	6,5 - 7,5	1,5	0,2 - 0,8	5,2 - 5,85	0,55	0,5	
		202150334	50 - 70	340 - 475	7,5	2,3	0,2 - 0,8	7,8 - 8	0,715	0,65	
		202150335	70 - 100	250 - 365	7 - 8	2,3	0,2 - 0,8	11,1 - 12,3	0,715	0,65	
		202150336	100 - 200	150 - 250	5,5 - 7,5	2,0 - 2,5	0,6	11,7 - 15,7	0,75 - 0,85	0,58 - 0,77	
	Injector nozzles MP133 Fuel gas: PM Use with torch: FIT Mini PMYF, 0766174		202150320	3 - 10	600 - 750	4 - 5	2	0,1 - 0,8	2	2	0
			202150321	10 - 15	540 - 635	5 - 6	2	0,1 - 0,8	2,32 - 2,6	2	0
			202150322	15 - 30	440 - 610	6 - 7	2	0,1 - 0,8	3,6 - 4	1,6 - 1,75	0,40 - 0,44
		202150323	30 - 50	380 - 510	6,5 - 7,5	2	0,1 - 0,8	4,85 - 5,7	2	0	
		202150324	50 - 70	320 - 460	7 - 7,5	2	0,1 - 0,8	7,4 - 7,75	2	1	
		202150325	70 - 100	280 - 400	7 - 8	2	0,1 - 0,8	11,1 - 12,3	2	1	
		202150326	100 - 200	150 - 250	5,5 - 7,5	2	0,3 - 0,8	11,7 - 15,7	2	1	
Mixing nozzles A-MD Coolex Fuel gas: A Use with torch: Nozzle mix, 60009			14001450	3 - 5	750 - 800	2 - 3	1	0,3	0,4 - 0,55	1	0,5
		14001451	6 - 10	700 - 750	4 - 5	1	0,3	1,2 - 1,4	1	0,5	
		14001452	10 - 25	500 - 650	6,5 - 7,5	1	0,3	3,2 - 3,7	1	0,5	
		14001453	25 - 40	420 - 500	6,5 - 8	1	0,3	4,6 - 5,5	1	0,5	
		14001454	40 - 60	360 - 420	6,5 - 8,5	1,5	0,3	5,6 - 7,1	1	0,7	
		14001455	60 - 100	270 - 360	6,5 - 8	1,5	0,3	9,1 - 11	1	0,7	
		14001456	100 - 150	210 - 270	6,5 - 7	1,5	0,4	12,2 - 12,9	1	0,7	
Mixing nozzles K50 PUZ and K70 PUZ Fuel gas: PMYF Use with torch: Nozzle mix, 60009		14001749	3 - 10	550 - 660	2 - 3	2,5	0,3	1,3 - 1,7	1,4	0,36	
		14001750	10 - 25	400 - 560	3 - 4,5	3	0,3	1,7 - 2,6	1,6	0,41	
		14001751	25 - 40	340 - 400	4 - 5	3	0,3	2,8 - 3,4	1,6	0,41	
		14001753	40 - 60	300 - 340	4,5 - 5,5	3	0,3	4,6 - 5,6	1,6	0,41	
		14001755	60 - 100	260 - 310	5 - 6	3	0,3	8,1 - 9,5	1,6	0,41	
		14001761	100 - 200	180 - 260	5,5 - 6,5	3,5 - 5,5	0,4	12,6 - 14,4	1,8 - 2,6	0,49 - 0,7	
	Mixing nozzles ANME Fuel gas: A Use with torch: Nozzle mix, 60009		0768670	3 - 6	1/32	470-560	2,5 - 3,5	0,3	1,25 - 1,65	0,3	
		0768635	5 - 12	3/64	390-480	3,0 - 4,0	0,3	2,12 - 3,2	0,4		
		0768599	10 - 75	1/16	205-400	3,5 - 4,5	0,3	3,2 - 4,45	0,45		
		0768636	70 - 100	5/64	150-220	4,5 - 5,5	0,5	8,4 - 9,8	0,6		
		0768662	90-150	3/32	125-160	5,5-6,0	0,5	9,2-14,6	0,75		
Mixing nozzles PNME Fuel gas: PMYF Use with torch: Nozzle mix, 60009			0769494	3 - 6	1/32	430-150	2,5-3,5	0,2	1,8-2,95	0,3	
			0769495	5 - 12	3/64	360-440	3,0-4,0	0,2	3,3-4,95	0,4	
		0769496	10 - 75	1/16	205-380	3,5-4,5	0,2	5,0-8,6	0,45		
		0769497	70 - 100	5/64	150-220	4,5-5,5	0,4	9,4-12,8	0,6		
		0769498	90-150	3/32	125-160	5,5-6,5	0,4	14,0-18,6	0,75		