



October 30, 2019

Subject: Discontinuation of Frontier 2020-series Parts

To All 2020 Pyrolyzers' Users,

We are constantly innovating with new products and streamlining our existing product portfolio to ensure that we continue to serve the needs of our customers in the best possible manner. Older products, which often rely on outdated and frequently unavailable third-party parts and supplies, do not allow strong support of our customers. This letter is being issued to inform you that parts and consumables for the Frontier 2020-series pyrolyzers will no longer be available after December 2020. It has been almost ten years since the 2020-series has reached its end of production and has become difficult to obtain the parts needed to operate these models.

Frontier Double-Shot Pyrolyzer (PY-2020iD) was discontinued on October 31, 2010 and its support ended on March 31, 2018.

Frontier Single-Shot Pyrolyzer (PY-2020iS) was discontinued on March 31, 2011 and its support ended on March 31, 2018.

After December 31, 2020, parts and consumables related to the Frontier 2020-series pyrolyzer will no longer be available for purchase. Please see the list of affected parts and consumables, provided on the last page of this letter.

To assist our 2020-series users during this transition, we are pleased to be launching a trade-up promotion starting on January 1, 2020 for a 3-month period. During this timeframe, you will receive a 20% discount on the upgrade to the successor model (3030D or 3030S). The discount can also be applied to any Frontier manufactured accessories purchased on the same order.

The successor models for the 2020iD and 2020iS are EGA/PY-3030D and PY-3030S, respectively. Please note that all accessories devices used with 2020-series are compatible with 3030-series products.

Older Model	Successor Model
2020iD	EGA/PY-3030D
2020iS	PY-3030S



As a resource to you, we are creating an on-demand webinar describing the next generation of Frontier's pyrolyzer products, the 3030-series. This webinar will explore the many enhancements and operational benefits delivered in the next generation Frontier 3030-series pyrolyzer systems, including its vertical micro-furnace technology. This pre-recorded webinar, as well as other important information related to this promotion will be available on November 20, 2019 on Quantum Analytics' website.

Frontier 2020 Upgrade Promotion webpage: <http://go.lqa.com/frontier-2020-upgrade>

I would like to take this opportunity to thank you and express our appreciation to you for being part of Frontier's family. We look forward to supporting you for many years to come.

Please do not hesitate to contact us at any time with any questions.

Kind regards,
Rojin

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Table 1 - List of products discontinued on Dec. 31, 2018

Product Name	Part #	Description
PY-2020 Installation kit (JEOL Master GC)	PY-K1030	PY-2020iD/PY-2020iS installation kit, for JEOL Master GC
PY-2020 Installation kit (Varian CP3800)	PY-K3800	PY-2020iD/PY-2020iS installation kit, for Varian CP3800
PY-2020 Installation kit (Varian CP450)	PY-K4500	PY-2020iD/PY-2020iS installation kit, for Varian GC450
PY-2020 Installation kit (Agilent GC6850)	PY-K6850	PY-2020 installation kit, for Agilent 6850
PY-2020 Installation kit (Agilent 7890/6890)	PY-K7000	PY-2020iD/PY-2020iS installation kit, for Agilent GC 7890/6890
PY-2020 Installation kit (PerkinElmer Autosystem XL GC)	PY-K8001	PY-2020iD/PY-2020iS installation kit, for PerkinElmer Autosystem XL GC
PY-2020 Installation kit (PerkinElmer Clarus GC)	PY-K8010	PY-2020iD/PY-2020iS installation kit, for PerkinElmer Clarus GC
PY-2020 Installation kit N (Thermo TRACE GC Ultra)	PY-K9005	PY-2020iD/PY-2020iS installation kit, for Thermo TRACE GC Ultra, includes mass flow controller
PY-2020 Installation kit N (HP5890)	PY-P5800	PY-2020iD/PY-2020iS installation kit, for HP5890
PY-2020 Installation kit (Shimadzu GC-17A)	PY-S1700	PY-2020iD/PY-2020iS installation kit, for Shimadzu GC-17A
PY-2020 Installation kit (Shimadzu GC-2010)	PY-S2010	PY-2020iD/PY-2020iS installation kit, for Shimadzu GC-2010
PY-2020 Installation kit (Shimadzu GC-2014)	PY-S2014	PY-2020iD/PY-2020iS installation kit, for Shimadzu GC-2014
Interface Protection Cover for AS-1020E	AS1-1111	Interface cover for pyrolyzer used with AS-1020E, includes fixing screws (3 each), 1 set
MJT-1030E Sensor Cable for PY-2020	MJ1-4205	MJT-1030E sensor signal input cable, connect to the sensor in connector of the furnace cable, for PY-2020
SS Valve Control Cable	SS1-4020	SS-1010E valve control cable for PY 2020D/iD/S/iS, 1 each
O-ring (P-6)	PY1-2012	O-ring (P-6), for quartz pyrolysis tube sealing, 20 each
Pyrolyzer Outer Mesh Cover for PY-2020iD/iS	PY1-3415	Pyrolyzer outer mesh cover for PY-2020iD/iS
Interface Cover for 2020	PY1-3561	Interface cover for 2020, includes set screw, 1 set
Heat Sink Adapter L	PY1-3575	For PY-2020, for Thermo Fisher TRACE GC, Varian CP3800/450GC, includes 2 screws
Heat Sink Adapter Set	PY1-3582	For PY-2020, for Agilent and Shimadzu GC, includes 2 screws (M4), and Key wrench 2.0mm, 1 set
Heat Sink Adapter	PY1-3583	Includes 2 screws (M4), 1 each, for PY1-3582
Rom (Ver.2.07) set for PY-2020iD/iS	PY1-5805	Set of Rom1 and 2

Table 1 - List of products discontinued on Dec. 31, 2018 (Continued)

Product name	Part #	Description
PY-2020 Remote Signal Cable for Agilent 6890	PY1-5922	PY-2020D/S/iD/iS remote signal cable for Agilent6890, 1 each
PY-2020 Remote Signal Cable for HP5890	PY1-5924	PY-2020D/S/iD/iS remote signal cable for HP5890, 1 each
Remote Signal Cable for Shimadzu GC-17A Ver.2 and 3	PY1-5925	PY-2020D/S/iD/iS remote signal cable for Shimadzu GC-17A Ver.2 and 3, 1 each
Remote Signal Cable for Shimadzu GC-2010/2014	PY1-5926	PY-2020D/S/iD/iS remote signal cable for Shimadzu GC-2010/2014, 1 each
Remote Signal Cable for PY-2020 and PE Auto system / Clarus GC	PY1-5927	PY-2020iD/iS remote signal cable for PerkinElmer Auto system/Clarus GCs
Remote Signal Cable 2020J01	PY1-5930	PY-2020D/S remote signal cable for Master GC
Power Switch 2020	PY1-7220	Power switch for PY-2020iD/iS
Quick Connector for Cooling Gas Control Valve	PY1-7620	Quick connector for cooling gas control valve of PY-2020D/S
Consumable parts set PY-2020iD	PY-K202D	Consumable parts set, for PY-2020iD *
Consumable parts set PY-2020iS	PY-K202S	Consumable parts set, for PY-2020iS *
Consumable parts set AS-1020E	PY-K212D	Consumable parts set, for AS-1020E and PY-2020iD *

* The parts contained in Consumable parts set (PY-2020iD, PY-2020iS, AS-1020E) can be purchased individually. However, please note that the parts listed in the Table 3 below will be discontinued on December 31, 2020.

Table 3 - List of products to be discontinued on Dec. 31, 2020

Product name	Part #	Description
Quartz Pyrolysis Tube A20	PY1-2018A	For PY-2020 series pyrolyzer, 1 each
Needle Set	PY1-1174	Interface needle, for 2010/2020 series, 3 each
O-ring (SM-6)	PY1-2016	For quartz pyrolysis tube sealing, standard for PY-2020 series, 20 each