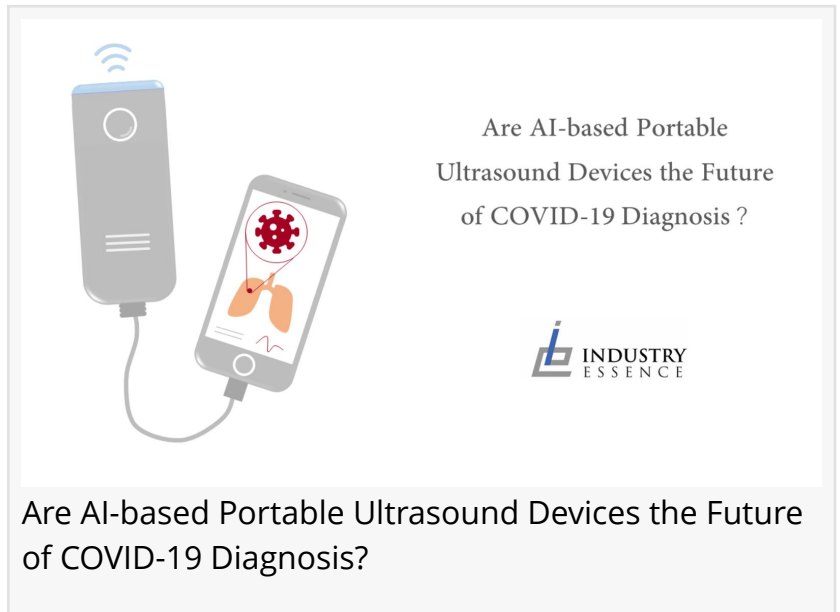


Are AI-based Portable Ultrasound Devices the Future of COVID-19 Diagnosis?

In March & April 2020, public tenders for POC (Point of Care) and Primary Care Ultrasound devices surged by ~170% in the US.

HOUSTON, TEXAS, US, March 30, 2021 /EINPresswire.com/ -- Considering the crucial role medical ultrasound devices will play in triage, diagnose, monitor, and treat COVID-19 patients, IndustryEssence has published the new research report: 'Medical Ultrasound Market: Impact of COVID-19, Lung Ultrasound, Role of AI in POC and Primary Care Ultrasound, FDA

Enforcement Policy, Advancement in Portable Ultrasound, Value Chain Insights, and Forecasts (optimistic, pessimistic, & neutral scenarios) 2019–2025'. The portable ultrasound devices market is projected to grow at a CAGR of 8.2% between 2020 and 2025.



Pain Points in the Ultrasound Market: Production scale, import/export of ultrasound component, declining demand for trolley/cart-based ultrasound & competition from chip-based ultrasound startups”
IndustryEssence Analyst

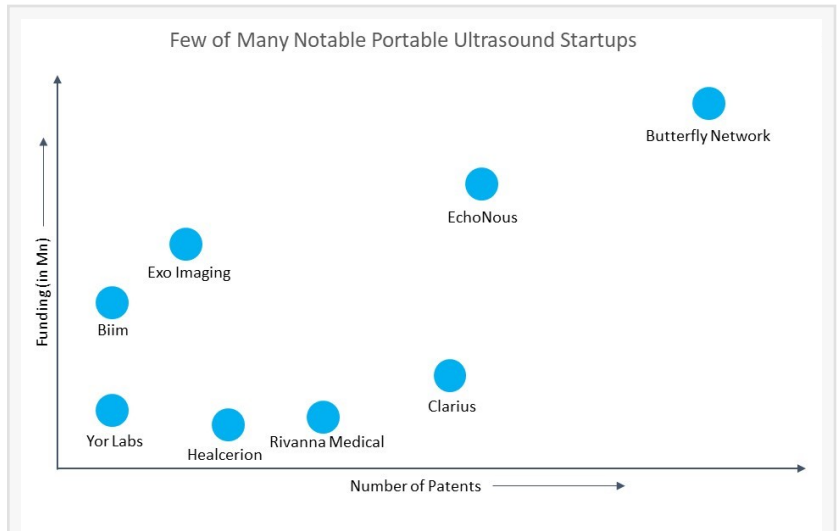
Market Trends Amid Pandemic:

COVID-19: Role of Portable Ultrasound in Triage, Diagnose, Monitor, and Treat COVID-19 Patients: Certainly, ultrasound devices are playing a crucial role in fighting Coronavirus Pandemic. Lung ultrasound helps in diagnosis, treatment and evaluation of severe pneumonia, an illness associated with severe cases of COVID-19. With more than 5.5 Mn (and growing) Coronavirus cases, lung ultrasound is helping doctors and healthcare professionals in deciding which patient needs an intensive-care and special attention. However, World Health Organization (WHO) is

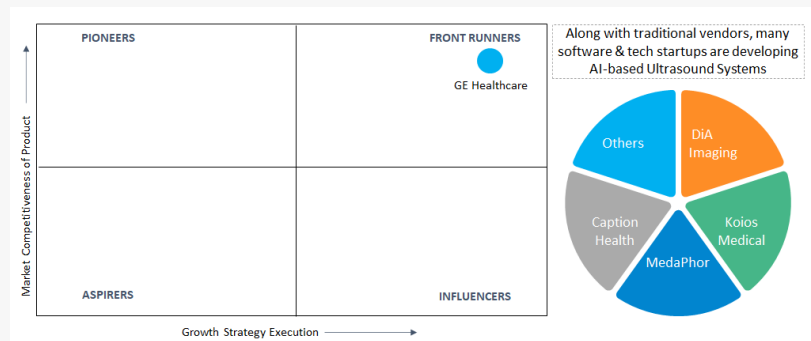
not recommending lung ultrasound as a primary tool to diagnose and monitor COVID-19 patients; healthcare professionals globally find it useful tool in triage. The portable, handheld ultrasound systems (that cost a tenth of a cart-based system) are preferred by healthcare

professionals.

FDA Reduces Medical Imaging Regulations: Driving Demand for Portable Ultrasound Devices and Artificial Intelligence (AI) Based Systems: Considering the rapid spread of COVID-19, in the last week of April 2020, FDA issued guidance for medical imaging devices. FDA stated that imaging devices can be modified for portable use, through the addition of a battery and other changes, without creating an “undue risk.” Also offered flexibility in ultrasound regulations by allowing ultrasound image capturing to be performed by healthcare practitioners who are not trained in sonography, under the guidance of a trained/licensed practitioner. FDA also directed enhancements in image analysis software, such as the addition of capabilities for lung segmentation and measurements, specifically for diagnosing COVID-19. Butterfly Network, EchoNous, Clarius, Exo Imaging, Rivanna, Healcerion, Biim, & Yor Labs are few of many notable startups



Potential threat to traditional Ultrasound OEMs from startups. Butterfly Network, Inc., EchoNous, Clarius Mobile Health, Exo, Biim Ultrasound, RIVANNA, Healcerion, and YOR LABS INC are few of the many notable ultrasound startups that'll drive the market i



AI software-based ultrasound diagnosis startups- DiA Imaging, Koios Medical, MedaPhor, and Caption Health

Get PDF Sample Brochure for Professional & Technical insights at <https://industryessence.com/index.php/reports/details/627>

The Pandemic & FDA's Move is Projected to Drive Demand for AI-based Handheld Ultrasound Systems

GE Healthcare, Philips, and many Others Ramp-Up Production of POC and Primary Care Ultrasound

Decline in Overall Ultrasound Market, Growth in Portable Ultrasound Market (Optimistic, Pessimistic, and Neutral Scenarios)

Survival of the Fittest: Surviving the Pandemic and Remaining Competitive in the Market

DiA Imaging, Koios Medical, MedaPhor, and Caption Health AI software-based ultrasound diagnosis startups

[Pain Points in the Medical Ultrasound Devices Market:](#) Scaling up production and managing resources amid COVID-19 pandemic, material procurement and import/export of ultrasound component, declining demand for trolley/cart-based ultrasound systems, competition from chip-based ultrasound system manufacturers (posing a serious threat to conventional vendors manufacturing transducer-based ultrasound systems), and managing patient data security.

IndustryEssence has profiled more than 35 company profiles in the report. For table of contents, report brochure and more information contact us on insights@industryessence.com

Other Ultrasound Companies Mentioned in The Report:

Acertara Acoustic Laboratories, LLC; AdEchoTech; Agilent Technologies; Alpinion Medical Systems; Ambisea Technology corp ltd; Ambisea Technology corp Ltd.; AmeeraHealth Ltd; Analogic; Argon Medical,Inc; Arthrex; Aucta Technologies; Aurora Imaging Technology; Aussin Intensive Care Pvt Ltd; AXREM; Barco,INC; Bartec Technologies Ltd; BCFultrasound; Beacon Equipment; Becton Dickinson; Beekley Medical; Bet Medical; Biim Ultrasound; Bioventus; BK Medical; Blatek,inc; BMV Technology Co. Ltd; Boston Scientific; BPC International Inc.; Brainlab; Broadsound Corporation; BTG plc; Candela; Canon Medical Systems ; Cardiawave; Cardiosonic Inc; Carestream Health; Carleton Optical; CarThera; Cephasonics; Chison Medical Imaging; CIRS; CIVCO Medical Solutions; Clarius Mobile Health; CMS Imaging, Inc.; Contec Medical Systems Co., Ltd.; ContextVision AB; Core Sound Imaging, Inc; Covidien; Cutera INC; Davis Medical ; Daxsonics Ultrasound; Delphinus Medical Technologies, Inc; Delta Medical Systems; Dia Imaging Analysis; Digisonics, Inc; Dillon Technologies; DJO Global; Dolphitech; DRE Medical; Dukane Corporation; Dynaflo; EDAP TMS; Eldan; Ellex; EMS Physio Ltd; Esaote; Examion; EyeOptics; Frontmatec Group; Fukuda Denshi; Gage Applied Technologies; GE Healthcare; Globalmed Group,LLC; Guam Radiology Consultants; Healcerion; Healthcare Scientific; Hitachi; Hologic INC; Hologic,INC; Imfusion GmbH; Imorgon; Imv Imaging; Infinitt Healthcare; InPhase Solutions AS; InSightec; Intermed Group; Kalamed GmbH; Keebomed,Inc.; Konica Minolta; KPI Healthcare; Kubtec Medical Imaging; L G Med Supply ; Labthermics Technologies,INC; LBN Medical ; Lumenis; Maranda Lauzon; Massa Products Corporation; Meda CO. LTD; Medgyn; Medistim ASA; Medtronic; Mesogeios; Mevis Medical Solutons Ag; Mindray Medical; Nationwide Imaging Services, Inc; Oldelft Ultrasound; Onda Corporation; Optikon; ORCO; Oxsonics Therapeutics; Parker Laboratories,inc ; PENTAX Medical; Philips; PHOENIX ; PHYSIOMED ELEKTROMEDIZIN AG; Planmed Oy; Precision Acoustics; PTW Freiburg; Q3 Medical Devices Limited; Quarktet; Quipu; Recor Medical; Samsung; Samsung Medison; Seeuco Electronics Technology Co., Ltd; Seeuco Electronics Technology Co., Ltd.; SenseGraphics; Siemens Healthineers; Simonmed Medical Imaging; SIUI CO.ltd; Softneta; SonaCare Medical; Sonitor Technologies; Sonocine Inc ; Sonoscanner; Sonoscape; SonoSim; SonoSite, Inc; SonoVol; Spinverse; Sun Nuclear Corporation; SuperSonic Imagine; TELEMED Medical Systems; Terason; The Ultran Group; Thermosome

GmbH; TLC ultrasound; Trivitron; Ubeam; UltraTecno; United Imaging; UTC Imaging; Varian Medical System; VEINSOUND; Vensica Medical; Vesselon; Vibro Technologies; Vital Images; Xtron Imaging Inc.; Biosense Webster(Johnson & Johnson); Caption Health; EIZO, INC; Elekta, INC; Johnson & Johnson (Ethicon); Priority Medical, INC; S & S Enterprise; ScImage, INC; Shared Imaging, LLC; SOMA TECHNOLOGY, INC;

Rich E

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