

Take part in the bioeconomy and decarbonisation of business to future-proof your company, be smart, resilient and profitable



POWERED BY E-PIC S.R.L. ROTOCAV

www.cavimax.co.uk
www.epic-srl.com/en/

Hydrodynamic » Cavitation Technology

**biogas / biomass disintegration / bioresources
extractions / biodiesel / oils & biofuels
food & drink / nutraceuticals / alcohol
edible oils / water treatment / pollution control**

CaviMax
Cavitation
Engineering
Systems
Integration

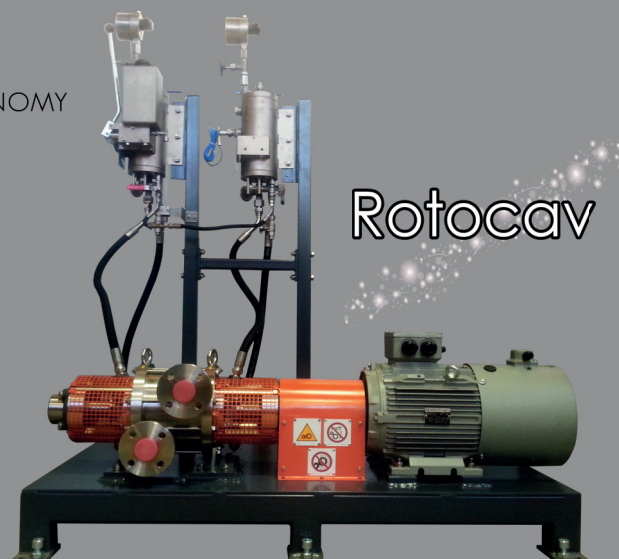
Process Intensification
Sustainable Chemistry
Upscaling Bioresources
Circular Economies
Disruptive Technology

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CIRCULAR ECONOMY
C L U B



There is not enough room on this flyer to cover in full all aspects of hydrodynamic cavitation. This is intended to activate discussion. If you read anything of interest, please visit our websites and get in touch to discuss your ideas on how to lower your carbon footprint AND keep shareholders happy



SUSTAINABLE VERSATILE COMMERCIAL APPLICATION

HYDRODYNAMIC CAVITATION for carbon savings and increased profits combined. Do much more with less...interested...? Read on to see how CaviMax could integrate the ROTOCAV cavitator to maximise your yields / process and increase your profits

Hydrodynamic Cavitation systems are in commercial use in the following areas: biogas high lignin feedstock treatment, fruit juice /milk /dairy homogenisation /sterilisation, hops and aromatics extractions, edible oil refining, essential oils extractions, biodiesel transesterification, ballast water treatment, crude and waste oil upgrading, medical bio-oil production, nutraceutical industry +

A proven mature technology. Energy is saved by the speeding up the rate of physical / chemical / biological / nano reactions, saving energy and feedstocks, increasing yields. There are research papers a-plenty on potential applications for cavitation. Water treatment (COD & API reduction, mining water remediation) alcohol production. algal lysis, lignocellulosic biorefining, etc

Well the future hasn't been written yet but cavitation can be utilised to bond liquid/gas/solids, or for processes looking to break down biomass for component extraction. Reduction of energy is required to manufacture bio fuels or recycle waste bio resources into bio plastics - cavitation is a tool to enable a viable, creative, competitive bio economy PLUS can be used to reduce and clean up pollution. That's a win-win scenario, good news story to share.



Rotocav

CURRENT

PROVEN

FUTURE

www.cavimax.co.uk **ROTOCAV cavitator integration by CaviMax**
www.epic-srl.com/en/ **Designer & manufacturer of ROTOCAV**

The CaviLab - our laboratory scale cavitator is available for R&D testing