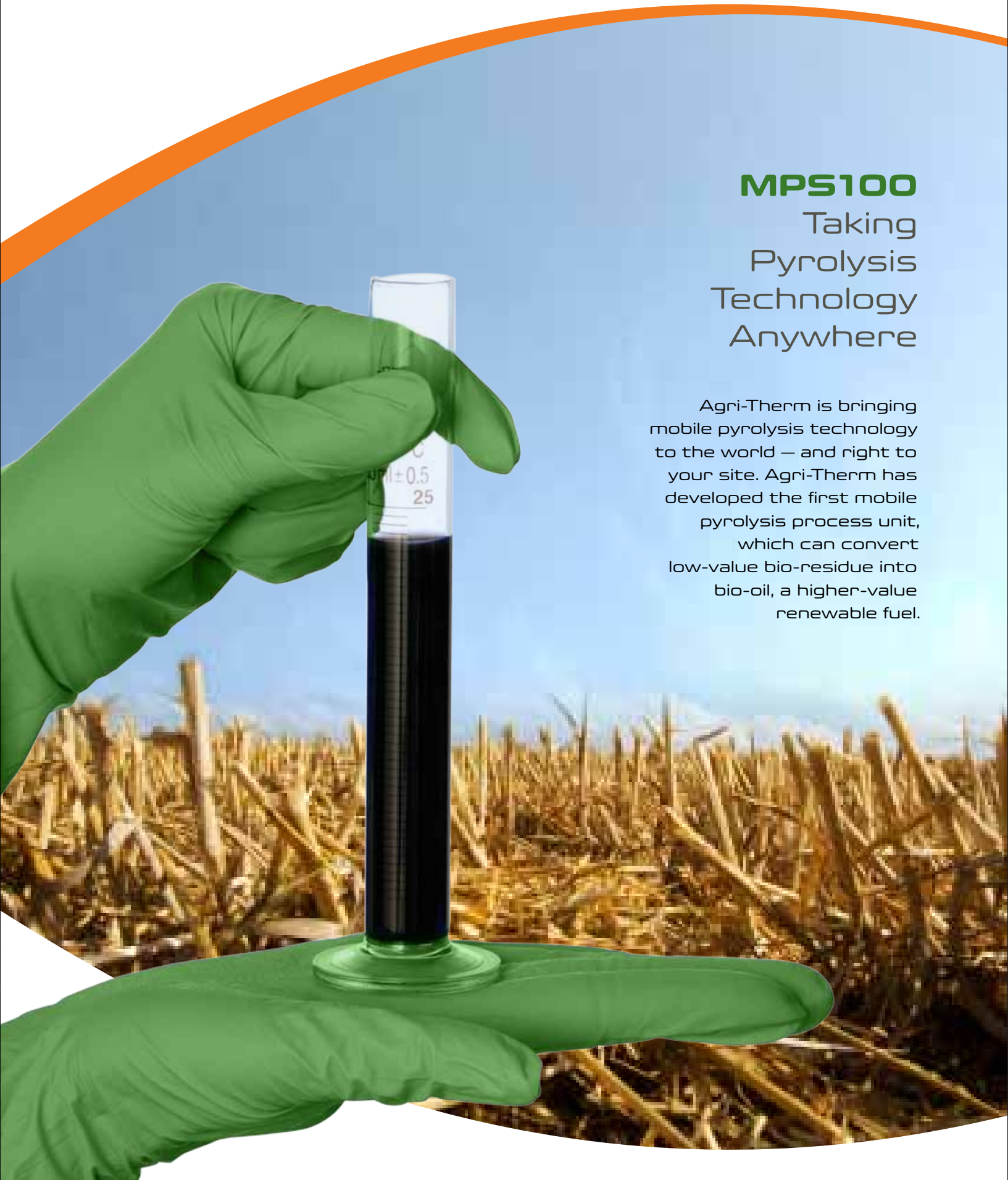
AGRI·THERM



MPS100

Taking Pyrolysis Technology Anywhere

Agri-Therm is bringing mobile pyrolysis technology to the world — and right to your site. Agri-Therm has developed the first mobile pyrolysis process unit, which can convert low-value bio-residue into bio-oil, a higher-value renewable fuel.

FEATURES AND BENEFITS

What makes the MPS100 special is its mobility. The MPS100 brings state-of-the art technology, novel design and an improved feeding system right to your door, so you can convert excess biomass to valuable bio-fuel on-site, saving you the cost of transportation and disposal.

MOBILE DESIGN:

The MPS100 operates on a heavy duty, standard size pull tractor for easy transportation and set-up. The unit is collapsible, making it energy efficient and safe to transport over existing roads and off-road right-of-ways.

SELF-SUSTAINING POWER:

The MPS100 uses the bio-gas produced in the pyrolysis process to fuel itself, making it extremely energy efficient.

UNIQUE REACTOR DESIGN:

The heart of the MPS100 is its fluidized bed reactor with a patented heat recovery system, which allows the pyrolysis process to operate at higher temperatures with lower input energy requirements. And because the MPS100 employs fluidized bed technology, it experiences fewer shutdowns due to bio-char build-up compared to auger-type pyrolysis systems.

IMPROVED FEEDING SYSTEM:

Agri-Therm has improved upon existing feeding technology with the MPS100. Its proprietary pulse feeding technology can process more biomass than traditional feeding technologies, which means the MPS100 can support variable feedstock sizes — up to 2.5 cm in diameter and 10 cm in length.

TECHNICAL SPECS:

The MPS100's unique reactor design requires minimal energy to convert up to 10 tonnes per day (tpd) of bio-residue into 5.5 tpd of bio-oil and 2 tpd bio-char.

THE COMPANY

Agri-Therm was incorporated in 2009 and is in the business of developing innovative renewable fuel technologies. Agri-Therm is managed by WorlDiscoveries and is strategically aligned with ICFAR, a University of Western Ontario Green Engineering research facility committed to world class research in the field of chemicals and fuels from alternative resources.

Agri-THERM Inc. is a spin-off company of The University of Western Ontario and is managed by WORLDiscoveries.

The University of Western Ontario
100 Collip Circle, Suite 105
London, ON N6G 4X8

519.850.2307

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agri-therm.com