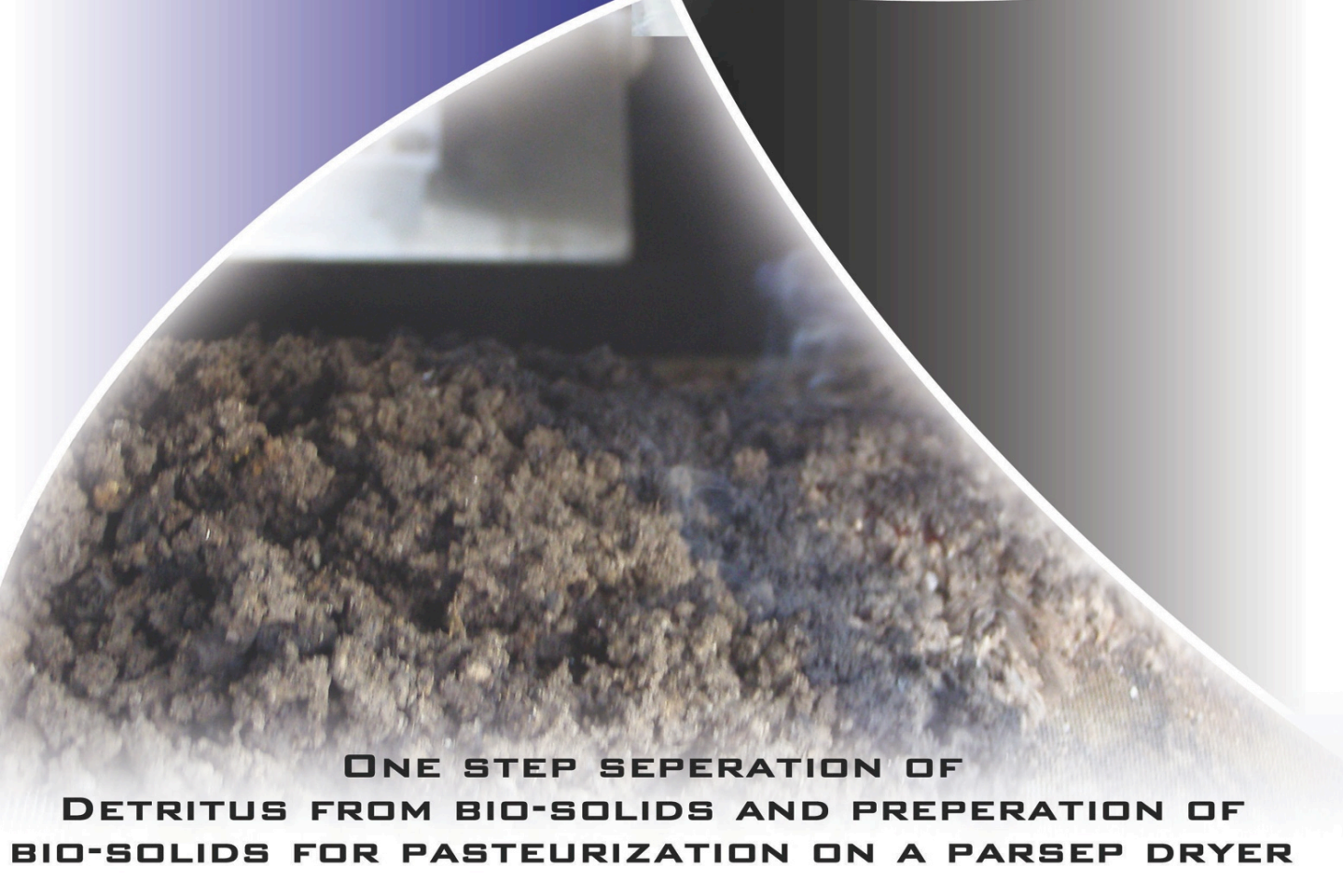




**THE  
LADEPA  
PROCESS**



**ONE STEP SEPERATION OF  
DETRITUS FROM BIO-SOLIDS AND PREPERATION OF  
BIO-SOLIDS FOR PASTEURIZATION ON A PARSEP DRYER**

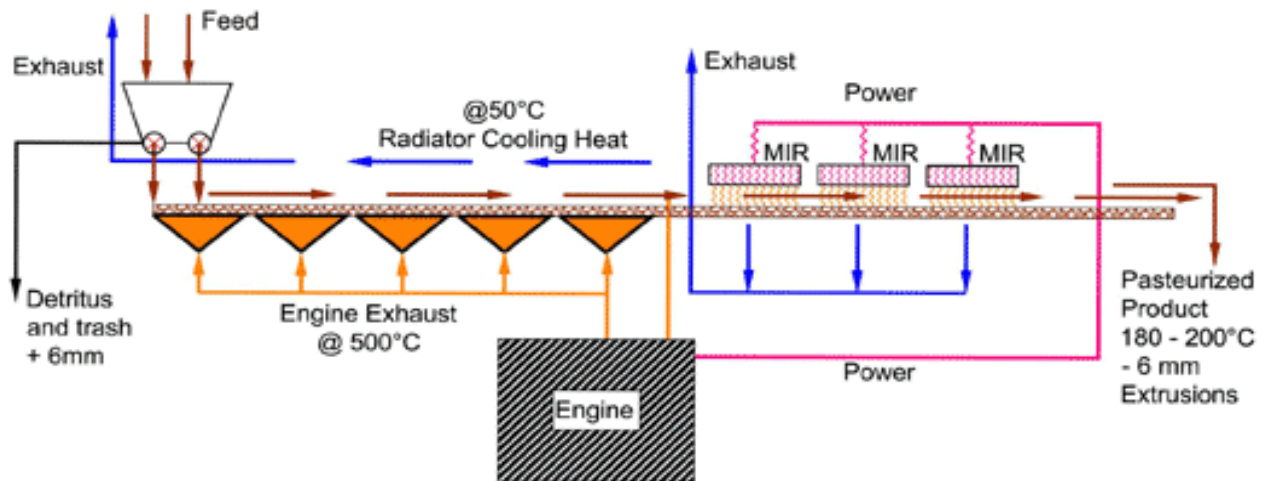
## APPLICATIONS

- **BIO-SOLIDS AND DETRITUS/TRASH SEPARATION**
- **BIO-SOLIDS PASTEURIZATION AND DRYING**

## FEATURES

- **1 - 2 TPH CONTAINERIZED MOBILE PLANT**
- **CAN OPERATE ON ENGINE OR ELECTRIC GRID POWER**
- **30 - 35% SOLIDS PROCESSED TO A + 90% SOLIDS PRODUCT**
- **STERILIZED PRODUCT + 5 MINUTES AT +200 C**
- **FULLY INTEGRATED PLANT**
- **FEED ARRANGEMENT OUTSIDE THE DRYING CONTAINER**
- **DETRITUS AND TRASH DISPOSAL OUTSIDE THE CONTAINER**
- **CONDENSATE REMOVAL OUTSIDE THE CONTAINERIZED**
- **EXHAUST GAS DISPOSAL BY CHIMNEY**
- **DRY PRODUCT DISCHARGE FOR BAGGING**

### Process Schematic Bio-Solids Treatment



### PATENTED PROCESS TECHNOLOGY



# **LATRINE AND PROCESSED SLUDGE PASTEURIZATION PROCESS:**

## **LATRINE LANDFILL**



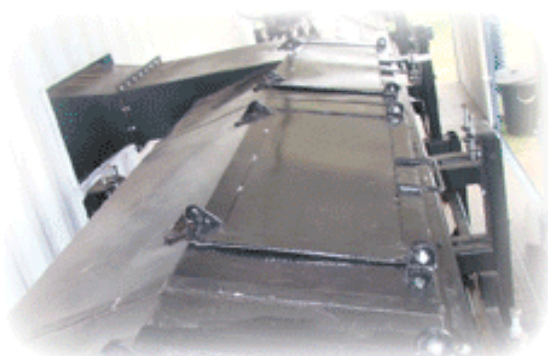
**A METHOD OF REMOVING ALL TRASH, DETRITUS AND FORMING OF 6MM BIO-SOLIDS EXTRUSIONS ON A STEEL BELT TO BE SUBJECTED TO UPWARD EXHAUST GAS FLOW AT 500 C AND MEDIUM WAVE INFRARED RADIATION UNDER VACUUM AT 750 C**



**DETRITUS AND TRASH  
REMOVAL**



**SLUDGE TO EXTRUSION  
CONVERSION**



**PRE-DRYING USING ENGINE  
EXHAUST GAS  
COUNTER CURRENT UPWARD AIR  
FLOW**



**DRYING USING MEDIUM WAVE  
INFRARED RADIATION UNDER  
VACUUM**

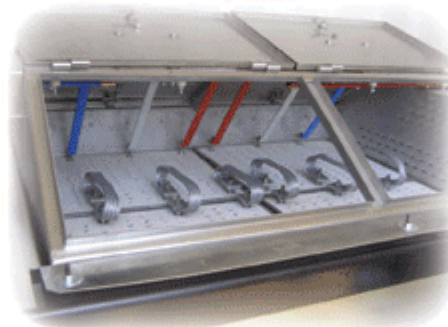
**CONTAINERIZED OR FREE STANDING PLANT  
DIESEL, GAS OR ELECTRIC POWERED PLANT**



**0,5 - 20 TPH  
DESIGN GENERIC  
WITH CUSTOMER  
REQUIREMENTS**

<b>BELT WIDTH</b>	<b>K.WATT MIR PER ARRAY</b>
0,3M +	MULTIPLES OF 3,7KW
0,6M +	MULTIPLES OF 15KW
0,9M +	MULTIPLES OF 48KW
1,4M +	MULTIPLES OF 78KW
1,9M +	MULTIPLES OF 108KW
2,5M +	MULTIPLES OF 144KW
3,0M +	MULTIPLES OF 168KW

**MIR**



**MEDIUM WAVE INFRARED RADIATION ARRAY**



**DETAILS**

**TEL: 011-412-2100  
FAX: 086-553-8088  
EMAIL: REIN-PSS@IAFRICA.COM  
WEB: WWW.PARSEP.CO.ZA  
CONTACT: REIN**

**4 TAMBOTIE STREET  
HOMELAKE  
1759  
RANDFONTEIN  
SOUTH AFRICA**