



Mobile Waste Audit Unit

Presentation of equipment and a typical procedure overleaf

Where ?	Terms of reference in brief	When ?	Contact
• Halmstad	SE Determination of particle lines (150 ... 3 mm) of shredder waste in order to define further treatment (screening) steps for a recovery plant	2014	Mr. Norén Håkan, STENA Recycling AB , t +46 10 445 61 76
• Kattameya / Suez	EG Screen based sorting analysis (5 mm) of different RDF (Refuse Derived Fuel) types produced in the Kattameya MBT for the Suez cement works (samples delivered via courier to audit unit based in Austria)	2014	Mr. W. Tirlir, EcoResearch srl Bozen , t +039/0471/068620
• Bishkek	KG Screen based sorting analysis (40 mm) of various waste streams as part of a due diligence supporting an EBRD loan application for upgrading solid waste related municipal infrastructure in Kyrgyzstan's capital	2012	Mr. L. Vadas, CEMI Central European Management Intelligence Budapest , t +36/1/354 3310
• Federal state South Tyrol	I Screen based sorting analysis (40 mm) in 119 municipalities (total sample amount 2009: 58 tons) including determination of calorific values	2009, 2001, 1996	Dott. G. Angelucci , Bozen province, t +39/0471/411883
• Abu Dhabi	UAE Screen based sorting analysis for defining the feedstock properties of a combined MRF / compost plant (2.000 tpd) serving the entire Emirate	2008	Al Kharafi Int'l Abu Dhabi , t +971 2 677-5800
• Federal state Styria	A Screen based sorting analysis (40 mm) statewide during, before and after the heating period. Purpose: Determination of the packaging share and the calorific value of the residual waste.	2008 and 2003 and 1997	Dr. Dipl.-Ing. W. Himmel , Abtlg. Abfall- u. Stoffflusswirtschaft t +43/316/ 8772157
• Sofia	BG Screen based sorting analysis (40 mm) as part of a waste forecast model for the Bulgarian Ministry of the Environment.	2005 / 2006	Ms Albena Amzina , SGS Sofia, t +359 2 91015
• South Tyrol	I Evaluation of the waste separation behaviour in 26 municipalities (ca. 70.000 inhabitants) by screen based residual waste analyses.	2006	R. Mahlknecht , BZG Pustertal, t +39/0474/410748
• Hanover	D Evaluation of material flow analyses and calorific value balances as well as efficiency check of screening aggregates in the MBT Hanover (200.000 t/a) as basis for plant optimisations: calorific value increase of RDF fraction, reduction of abrasive material in the fermentation input.	2006	Dipl.-Ing. Theo Schneider , aha (MBT plant Hanover), t +49 511 9911-47900
• Federal state Upper Austria	A Screen based sorting analysis (40 mm) , 80 samples (~ 250 kg each) for the purpose of an ongoing documentation of the "waste separation behaviour", in cooperation with the 18 regional waste associations.	2004	Dipl.-Ing. F. Haidinger , OÖ Landesregierung, t +43/ 732-7720-14512
• Trentino	I Screen based sorting analyses (20 mm) for several administration unions (Comunità Comprensoriale): Val Sugana (Borgo), Valle di Non (Cles), A.M.N.U. (Pergine), Val di Fiemme (Cavalese).	2006, 2005, 2004, 2003, 2002	Various municipalities
• Erbenschwang (Bavaria)	D Screen based sorting analysis (particle range 20...200 mm) of the MBT input as basis for the optimisation of the treatment.	2003	Dipl.-Ing. H. Poczka , EVA GmbH, t +49/8868/1801-0
• Milan province	I Screen based sorting analysis (40 mm) on wet ("umido"), dry ("secco") and unsorted waste from in each case up to 28 municipalities.	2002, 2000, 1999, 1998	Dott. Sergio Saladini , Milan Province, t +39/02/77403711
• City of Istanbul	TR Screen based sorting analysis (Amount 50 t municipal solid waste in a winter- / summer analysis) in order to determine the technical details of treatment in the compost plant Istanbul.	2000	Dipl.-Ing. Ingolf Baguß , Lurgi Entsorgung, t +49/2102/922463
• W to E plant Stuttgart	D Determination of the shredding performance of a cutting shredder used for pretreatment (particle line up to 200 mm).	1999	Dipl.-Ing. A. Winkler , ABA Wien, t +43/1/25835-21
• City of Vienna	A Waste analyses „Residual waste splitting Vienna“ (particle lines, moisture and ash content, calorific values as basis for the commercialisation of the "fine fraction" from the splitting plant Vienna (130.000 t/a).	2001 1999	Dipl.-Ing. R. Siebenhandl , Gemeinde Wien, MA 48, t +43/1/588170-0
• City of Milan	I Screen based sorting analysis (20 mm) of the input of the biowaste compost plant Muggiano (40.000 t/a, hypermarket wastes et al.).	1997	Ing. Corrado Vicardi , AMSA, t +39/02/27298829
• Federal state South Tyrol	I Sorting analyses and determination of particle lines (200/100/80/60/40/20 mm) of slag of the W to E plant Bozen	1997	Dr. Werner Tirlir , EcoCenter, t +39/471/921 986
• Grünstadt (Rheinland- Pfalz)	D Screen based sorting analysis (150...10 mm) of the input of a bio-waste compost plant including analyses of ignition loss, C/N ratio etc.	1994	Dr. Ulrich Wiegel , ICU t +49/030/8573349-0
• City of Zagreb	HR Screen based sorting analysis (60 mm) in six residential and economic structures	1992	Dr. Zlatko Milanovic , ZGO, t +385/1/533 811

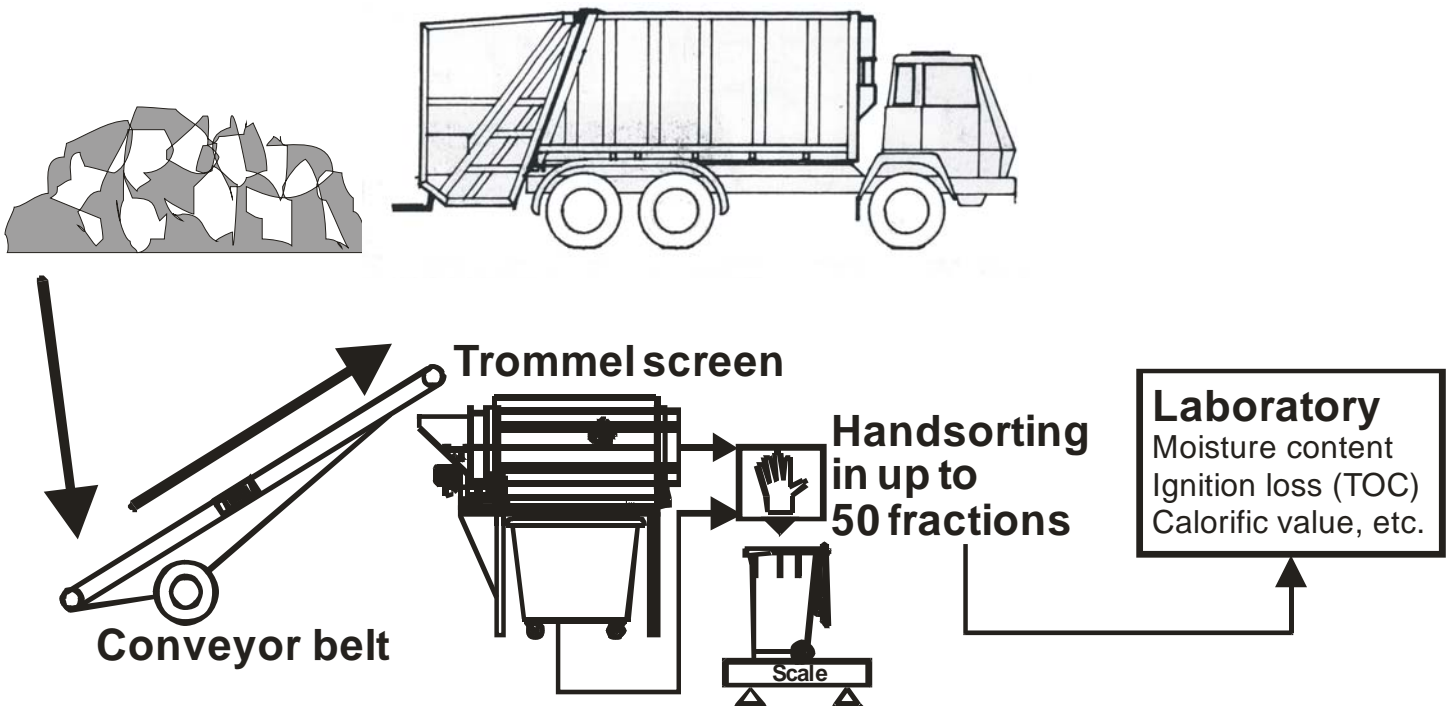
Please turn over !

The work station can be transported at low costs in a 20'' *standard sea container* (combined truck / railway / ship transport).



The work station consists in its main components of...

- a *portable conveyor belt* for feeding the entire station
- a *trommel screen*, polygonal shape, with changeable mesh sizes (Ø max. 400 mm, min. 2 mm)
- a *750-l container* for collecting screen underflow
- various *sorting tables*
- 25 "*big-bags*" (1 m³) and 25 *240-l wheely bins* for collecting various sorted fractions
- various *analytical balances* (weighing range up to 300 kg)
- a *dryer (750 l)* for determining moisture content
- *sample preparation for further lab analyses*



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