



Metallipop[®]

FAMILY OF HIGH TECHNOLOGY SAMPLING DEVICES



Fykays



- SCIENTIFIC SAMPLING ● TOTALLY SLAG FREE
- NO LOSS OF TRACE ELEMENTS
- MULTIPLE CHOICE OF DEOXIDANTS
- MINIMAL SAMPLE PREPARATION TIME RESULTING IN VERSATILITY, QUICK & TRUE ANALYSIS

FAMILY OF HIGH TECHNOLOGY SAMPLING DEVICES

FYKAYS now offer

YET ANOTHER DEPENDABLE EXPENDABLE to the METALLURGICAL INDUSTRY

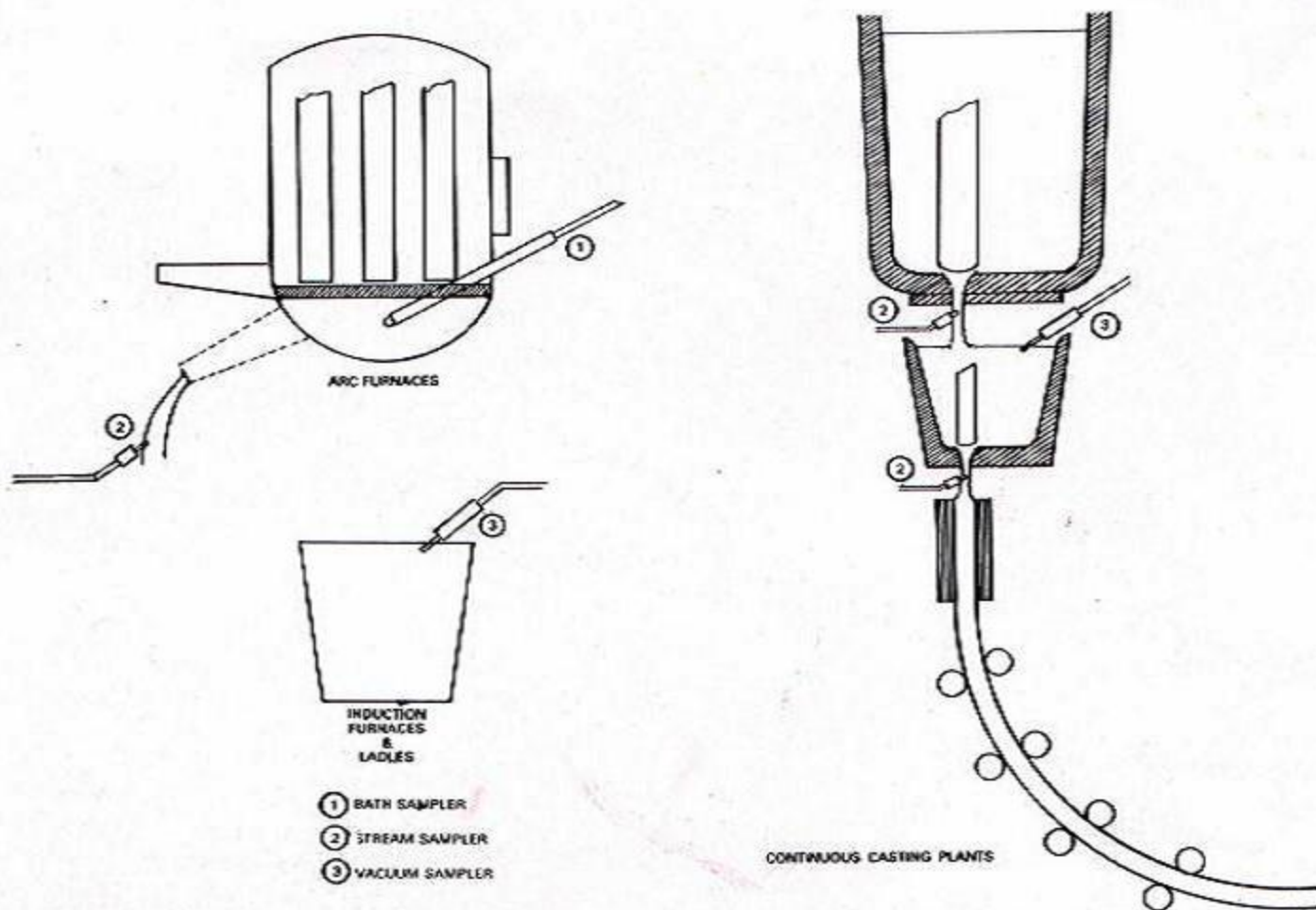
METALLIPOP

the scientific sampling device

For faster productivity, least analysis time and determination of highly accurate chemistry of bath. METALLIPOP is an internationally accepted form of sampling for enabling faster and more accurate metal analysis resulting in greater furnace turn round.

As the name suggests, the metal sample is extracted in the form of a Metal Lollipop – the internationally adopted disc and pin configuration.

Specifications: Normal configuration consists of one oblong disc of 8 or 12 mm thickness and one pin of dia 6.0 mm. However circular discs as also a second pin of 4.00 mm are also available.



Grades: To enable different grades of metals to be sampled METALLIPOPS are available in following grades:

	Application
* Normal	Steel & Irons
* Deoxidised with aluminium	Steels
* Deoxidised with Titanium	-do-
* Deoxidised with Zirconium	-do-
* Coated with Tellurium	Irons

Types : Various types of METALLIPOP samplers are available from FYKAYS. These are-

- * **BATH SAMPLER:** Fitted with cardboard tubes of different lengths and with or without anti-splash covering, this type of samplers is ideally suited for Arc Furnaces, LD Convertors, OH Furnaces, VD/VOD/VAD furnaces, ladle Degassing stations etc. The sampler is dipped in the molten metal like an expendable thermocouple.

- * **TWO-IN-ONE SAMPLER:** Affording great operational advantage and economy this type enables the operator to simultaneously measure the bath temperature and also extract the bath sample, without having to dip a second time. Combines speed, efficiency and economy. Special lances are available as accessories. Suitable for applications as the Bath Sampler.

- * **THREE-IN-ONE SAMPLER:** This latest type of sampler is almost a minilab in itself and combines three operations into one-
 - * Sampling
 - * Bath temperature measurement
 - * Bath Carbon measurement

Most ideally suited for sub-lance operation of LD Convertors etc.

- * **STREAM SAMPLER:** Ideal device for collecting samples from metal streams from furnaces, ladles etc. using a specially designed lance, the sampler is extremely simple to use and safe too.

- * **VACUUM SAMPLER** : Specially designed sampler for application in induction furnaces, ladles, tundishes, ingot moulds etc. A pneumatically operated specially designed lance, using shop floor compressed air, enables the operator to "suck" the metal sample into the mould. These samples are supplied alongwith vacuum lance specially designed by FYKAYS for such use.

Special Advantages : Users of METALLIPOP can gain several operational advantages:

- (i) All METALLIPOP SAMPLERS ensure solidification of molten metal within the sampler within the duration of sampling, thereby extracting a true representative of the bath metal without interference from atmospheric oxidising effect or slags.
- (ii) By virtue of solidifying within a shaped metallic mould, the sample disc is almost in a finished condition requiring very nominal finishing before use on a spectrometer; the enormous saving in sample preparation time is unbeatable.
- (iii) The pin of the Metallipop is ideally suited for Wet Analysis of elements like C, S, P etc.
- (iv) Second stem of 4.0 mm dia in double sided METALLIPOP is of special advantage for combustion analysis.
- (v) 'White' iron samples are possible by use of Tellurium coated METALLIPOP.

METALLIPOP is the long awaited answer to scientific sampling needs – yet another contribution from FYKAYS, the people for DEPENDABLE EXPENDABLES.

Products

* ThermoTip * Minitip * Anslatip * Fondtip * Thermoxytip * Carbotip for C.I. * Carbotip for Hyper Eutectic C.I. * Carbotip for Steels * Metallipop: Samplers for metal bath, Streams, Ingots, 2-in-1 etc. * Digital pyrometers * Carbo-Comp Automatic CEV, C & Si analyser * Carbocomp Automatic C analyser for Steels * Oxycomp Automatic 0% analyser for steels * Instameter Instant calibrator * Accessories * Micouple and Micab.



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