Iris®N
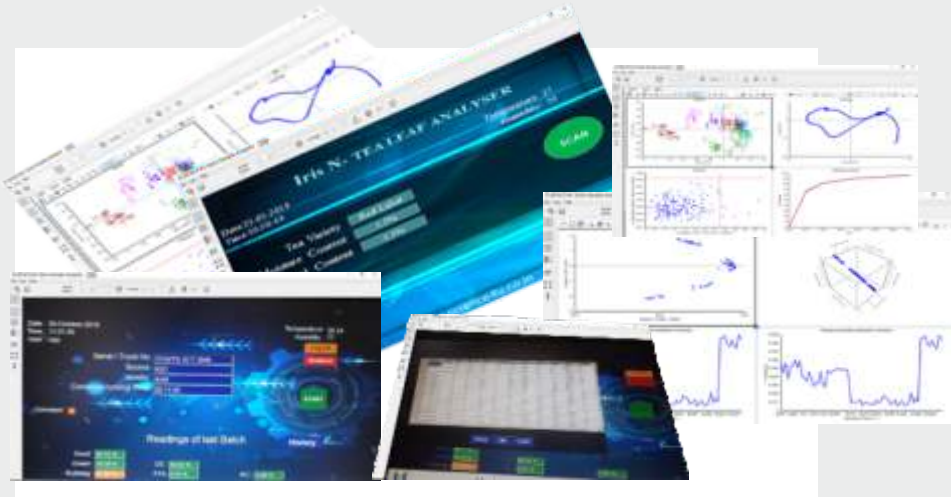
Generation of affordable customized industry solutions

Customized Human machine interface (HMI) and Graphical User Interface(GUI) as per international norms could be provided on Industry based needs. Further Process Analysis Techniques (PAT) can be implemented on your specific industry needs with options which can be compatible with your existing data acquisition systems.

Not just as a solution provider but we will associate with you to make your operator smarter by means of latest technology invention at par with International industry standards. We associate with you for feasibility studies , R&D and as a completely suitable solution provider – in your development journey to overcome all challenges to pursue your objectives.

Contact us for your Iris®N Solution Development Suite

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Iris®N
RNN62K & TVN42K

Customized Solutions with Spectral Sensor and Chemometrics

For applications in:

- Food & Beverages
- Agriculture
- Plantations
- Breweries
- Oil & Gas
- Chemicals & Fertilizers
- Pharmaceuticals
- Pulp & Paper

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RNN62K

Custom made and programmed for your specific solid and powder sample quality assay

PRODUCTS	CLASSIFICATION	PARAMETERS
Tea Leaves	Colour	Moisture
Tea Granules	Flavour	Protein
Coffee Bean	Season	Caffeine
Coffee Powder	Geography	Color
Food Grains	Adulteration	Astringents
Grain flour	Preservatives	Ash Density
Semolina	Quality ...	Sugars
Flakes		Salts
Spices		Acids
Nuts		Fermentatio
Timber Powder		pH Value ...
Sugars ...		

Iris®N

TVN42K

PRODUCTS	CLASSIFICATION	PARAMETERS
Tea	Colour	Moisture
Coffee	Flavour	Protein
Fruit Juice	Viscocity	Caffeine
Wine	Geography	Alcohol
Spirits	Adulteration	Fat Content
Malts	Preservatives	Free fatty acids
Vegetable Oils	Quality ...	Trans fatty acids
Animal fats		Triglycerides
Frying oils		Acids
Marine oils		Sugars
Oils ...		Salts
		pH Value ...

White Tea   Green Tea   Oolong Tea   Black Tea

The analytical instrumentation system works based on Inferential method to predict and validate classifications in non-supervisory mode with sensor data. The spectral sensor data are pre-processed to extract chemical and physical information of interest in nature from the samples under study.

This analytical instrumentation system based solution is adoptable as well as portable and does not require any sample preparation, avoids chemical wastes, time optimized, non-destructive and provide instant results on vital multiple parameters simultaneously by avoiding typical errors of classical lab methods.

Available are two models of the analytical instrumentation system based solution; RNN62K is for solids, semi-solids and powder types of samples; TVN42K is for liquid samples.

The instrumentation is latest state of art of technology design that comes with a inbuilt powerful multipurpose single board computer to take care of samples' data capturing, data analysis, data processing and data/report presentations. The system has the capability of communicating to external device through wireless mode and also has the facility to incorporate a touch screen display which can be mounted on the system itself.

The instrumentation system will be available as a working solution to be easily adoptable for Food, Agronomy, Traditional Medicinal Plants, and others as Decision support (DS)/ Decision Support Solution(DSS) to enhance product ability at low cost and effective mode.

The instrumentation system will be built upon your specific parameters of interest and the sensors and chemometric models needed for the same will be designed accordingly to give you a tailored solution which is highly cost effective.