



FLEXIBLE EXTRACTION TECHNOLOGIES

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TEC Square designs its own high-end instant coffee extraction plants. All of our extraction systems are specific to customer demands.

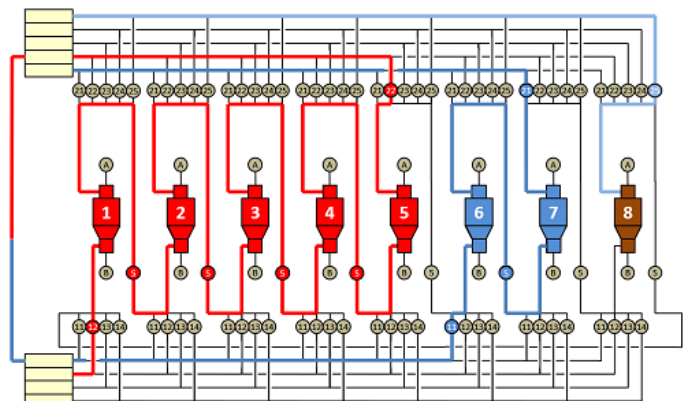
In our designs we combine flexibility, quality and operational effectiveness. Our high-end extraction technology is based on a combination of the following principles:

- ◆ Easy raw material handling.
- ◆ Short cycle times.
- ◆ Low energy usage.
- ◆ Flexible capacity. The number of extraction cells is normally between 6 and 12.

The design is specifically conceived for those installations where costs and quality will make a difference. Our design allows for top quality instant coffee products. High yield designs are equally possible.

FLEXIBLE EXTRACTION—KEY POINTS

Within an extraction operation several other technologies can be chosen. As such we can have many different extraction configurations. We use a very simple set-up that allows us to add technologies or capacity at a later stage.



A standard extraction configuration

SPECIFICATIONS AND ADVANTAGES

	TEC Square Flexible Extraction Technology	Advantages
Cycle Time	<p>We use short cycle times as a principle of operation (as such we prefer to use wide body cells):</p> <ul style="list-style-type: none"> ◆ Less damage to roast coffee. ◆ Higher quality products. ◆ Higher capacity. ◆ More flexibility in design. 	<p>Wide body cells have many advantages:</p> <ul style="list-style-type: none"> ◆ Shorter cycle times. ◆ Better end product quality. ◆ Easier to control the extraction process. <p>The more expensive technology is largely compensated by other advantages.</p>
Flexible Capacity	<p>We have an integrated solution for capacity from extraction down to spray drying or freeze drying. Our capacity can always be extended after several years of operation.</p>	<p>The number of cells is flexible, allowing a start-up with less capital investment, keeping the option open to increase at a later stage.</p>
High Yield Configuration	<p>TEC Square has high yield capabilities (under evaluation)</p>	<p>High yield will allow for more output for the same raw material purchased. Our advanced aroma technologies will make it possible to keep the same product quality.</p>
Cold Brew	<p>Cold Brew capability can be included as an option.</p>	<p>We provide a fully integrated solution.</p>
Easy Multi-SKU Operation	<p>Our programming software provides for an extremely robust and flexible operation.</p>	<p>Operational flexibility is the key to success.</p>
Efficient CIP	<p>Our CIP program has been tested through many years of operation. It works fully automatic and covers 100% of the operational parts.</p>	<p>Our automatic CIP technology requires less time for cleaning.</p>

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